FIG. 1

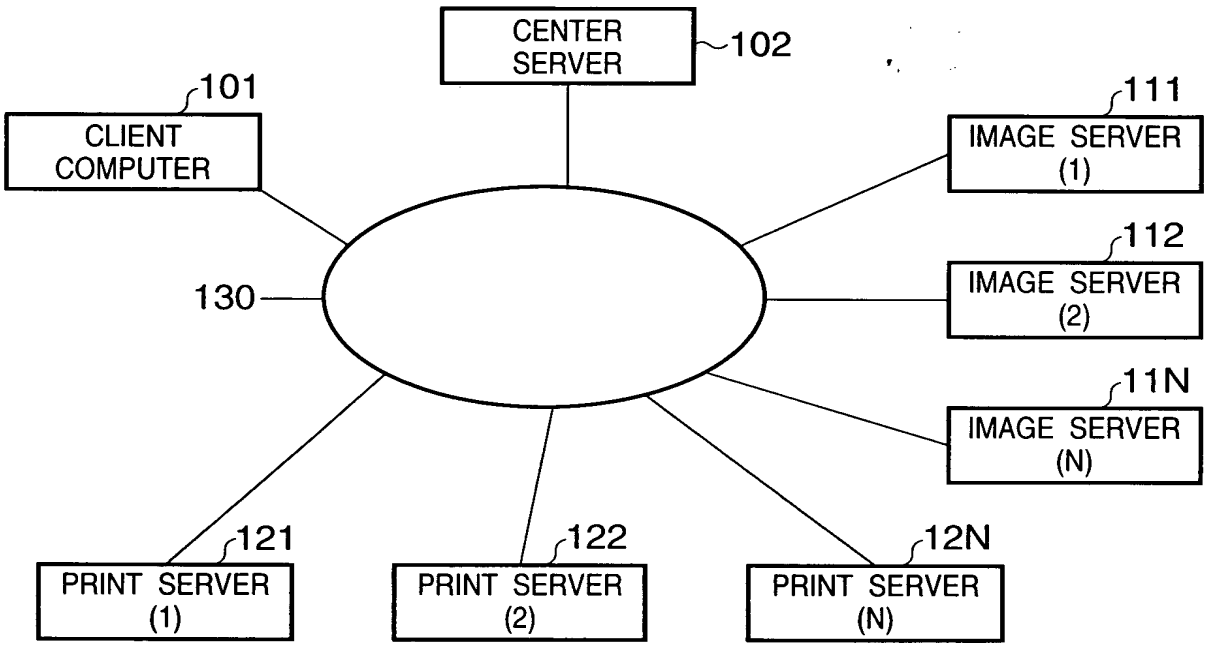

CENTER SERVER
102
101
CLIENT COMPUTER
111
IMAGE SERVER (1)
112
IMAGE SERVER (2)
130
11N
IMAGE SERVER (N)
121
PRINT SERVER (1)
122
PRINT SERVER (2)
12N
PRINT SERVER (N)

FIG. 2

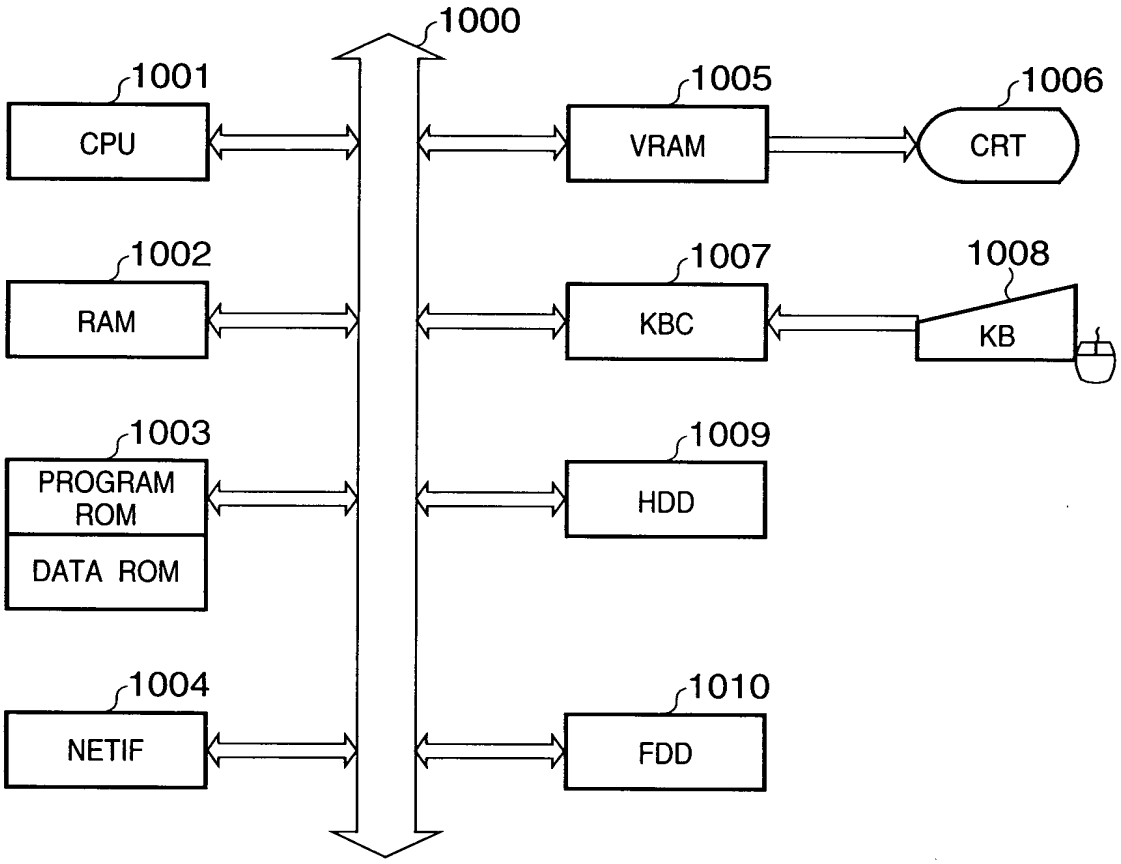

1000
1001
CPU
1002
RAM
1003
PROGRAM ROM
DATA ROM
1004
NETIF
1005
VRAM
1006
CRT
1007
KBC
1008
KB
1009
HDD
1010
FDD

FIG. 3

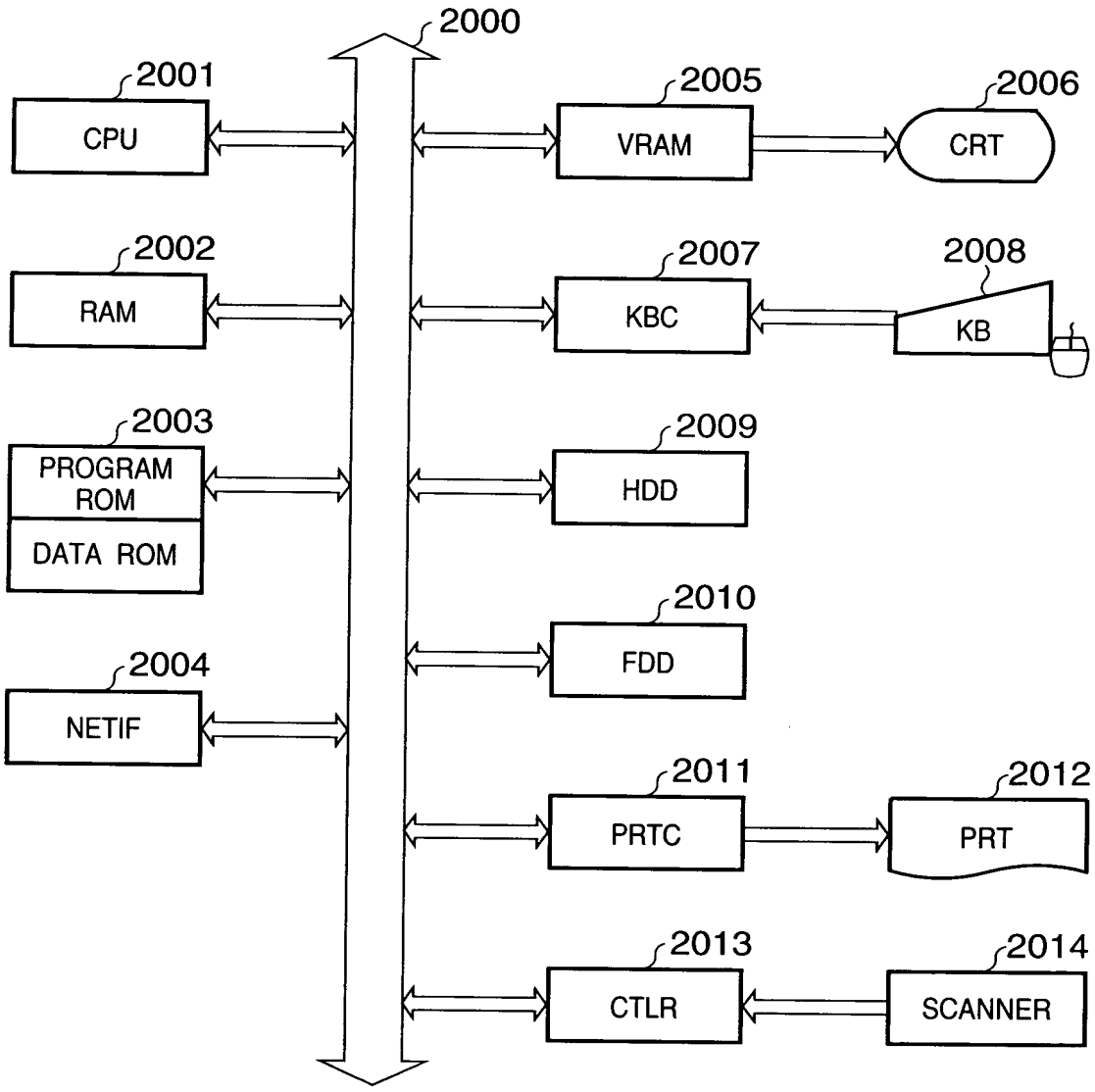

2000
2001
CPU
2002
RAM
2003
PROGRAM ROM
DATA ROM
2004
NETIF
2005
VRAM
2006
CRT
2007
KBC
2008
KB
2009
HDD
2010
FDD
2011
PRTC
2012
PRT
2013
CTLR
2014
SCANNER

FIG. 4

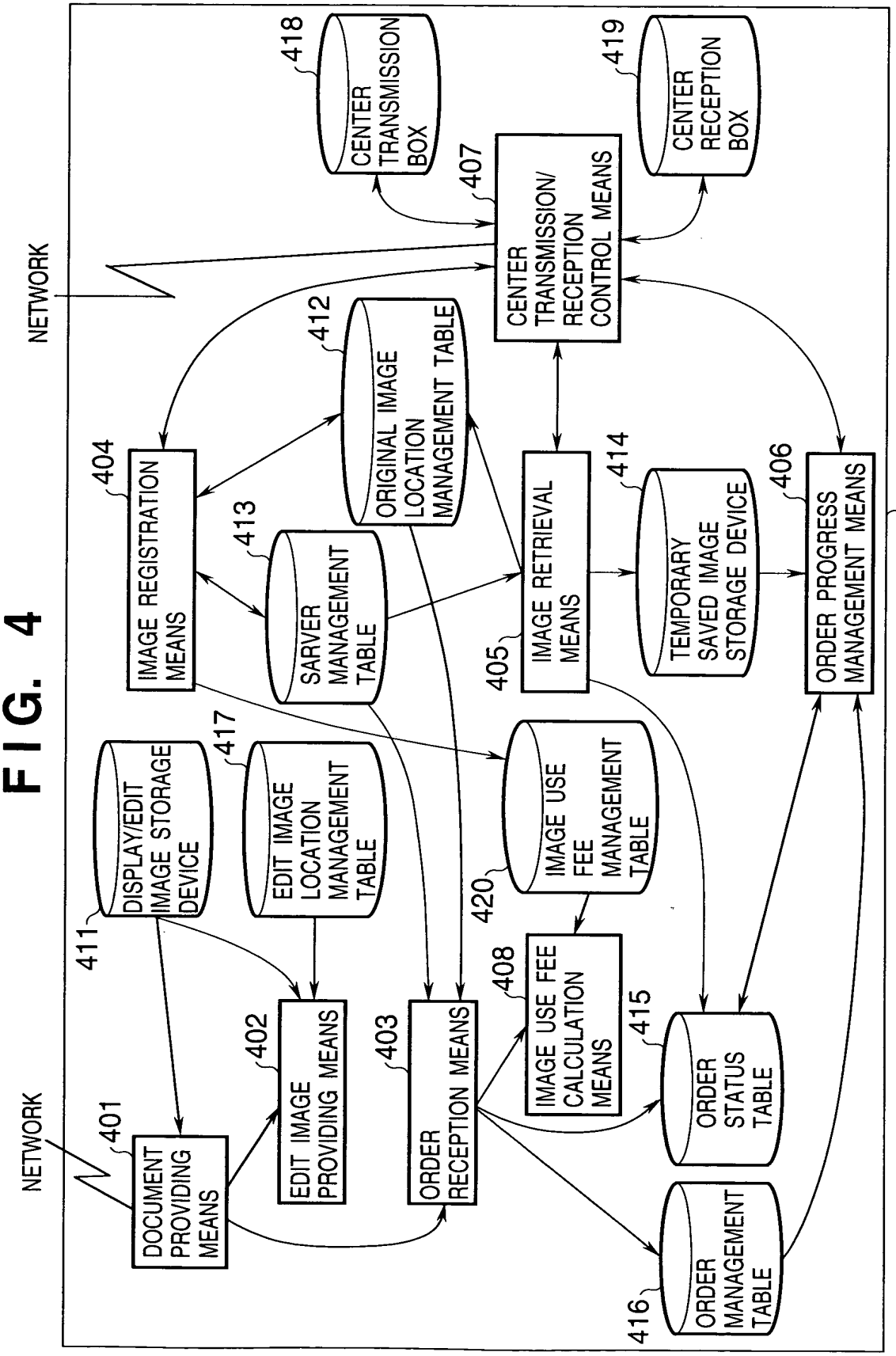

NETWORK
NETWORK
102 CENTER SERVER
401 DOCUMENT PROVIDING MEANS
402 EDIT IMAGE PROVIDING MEANS
403 ORDER RECEPTION MEANS
404 IMAGE REGISTRATION MEANS
405 IMAGE RETRIEVAL MEANS
406 ORDER PROGRESS MANAGEMENT MEANS
407 CENTER TRANSMISSION/ RECEPTION CONTROL MEANS
408 IMAGE USE FEE CALCULATION MEANS
411 DISPLAY/EDIT IMAGE STORAGE DEVICE
412 ORIGINAL IMAGE LOCATION MANAGEMENT TABLE
413 SARVER MANAGEMENT TABLE
414 TEMPORARY SAVED IMAGE STORAGE DEVICE
415 ORDER STATUS TABLE
416 ORDER MANAGEMENT TABLE
417 EDIT IMAGE LOCATION MANAGEMENT TABLE
418 CENTER TRANSMISSION BOX
419 CENTER RECEPTION BOX
420 IMAGE USE FEE MANAGEMENT TABLE

FIG. 5

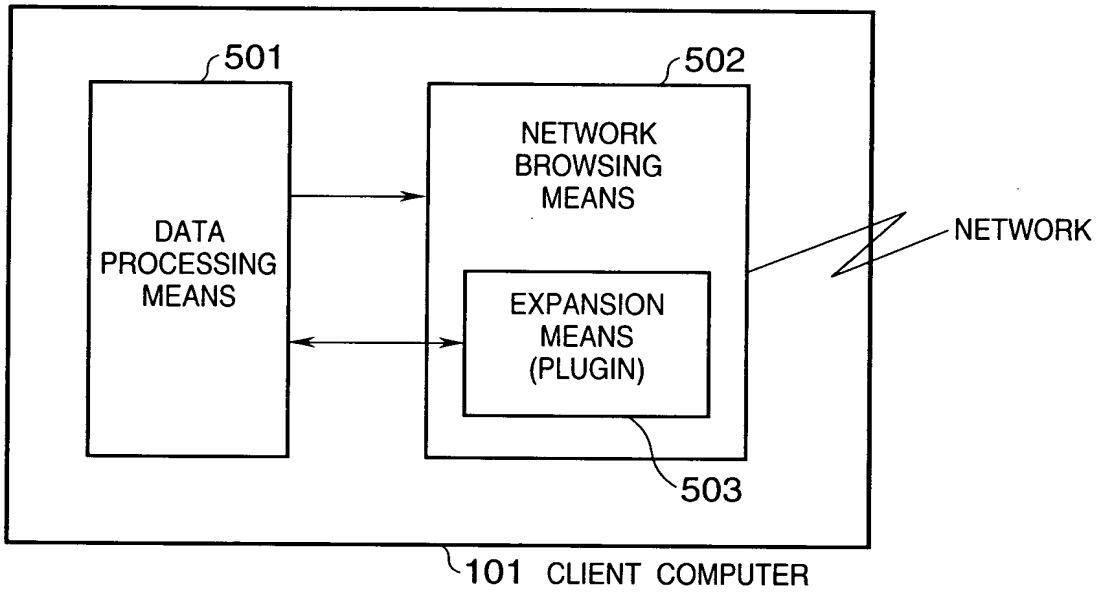

501
502
DATA PROCESSING MEANS
NETWORK BROWSING MEANS
EXPANSION MEANS (PLUGIN)
503
NETWORK
101 CLIENT COMPUTER

FIG. 6

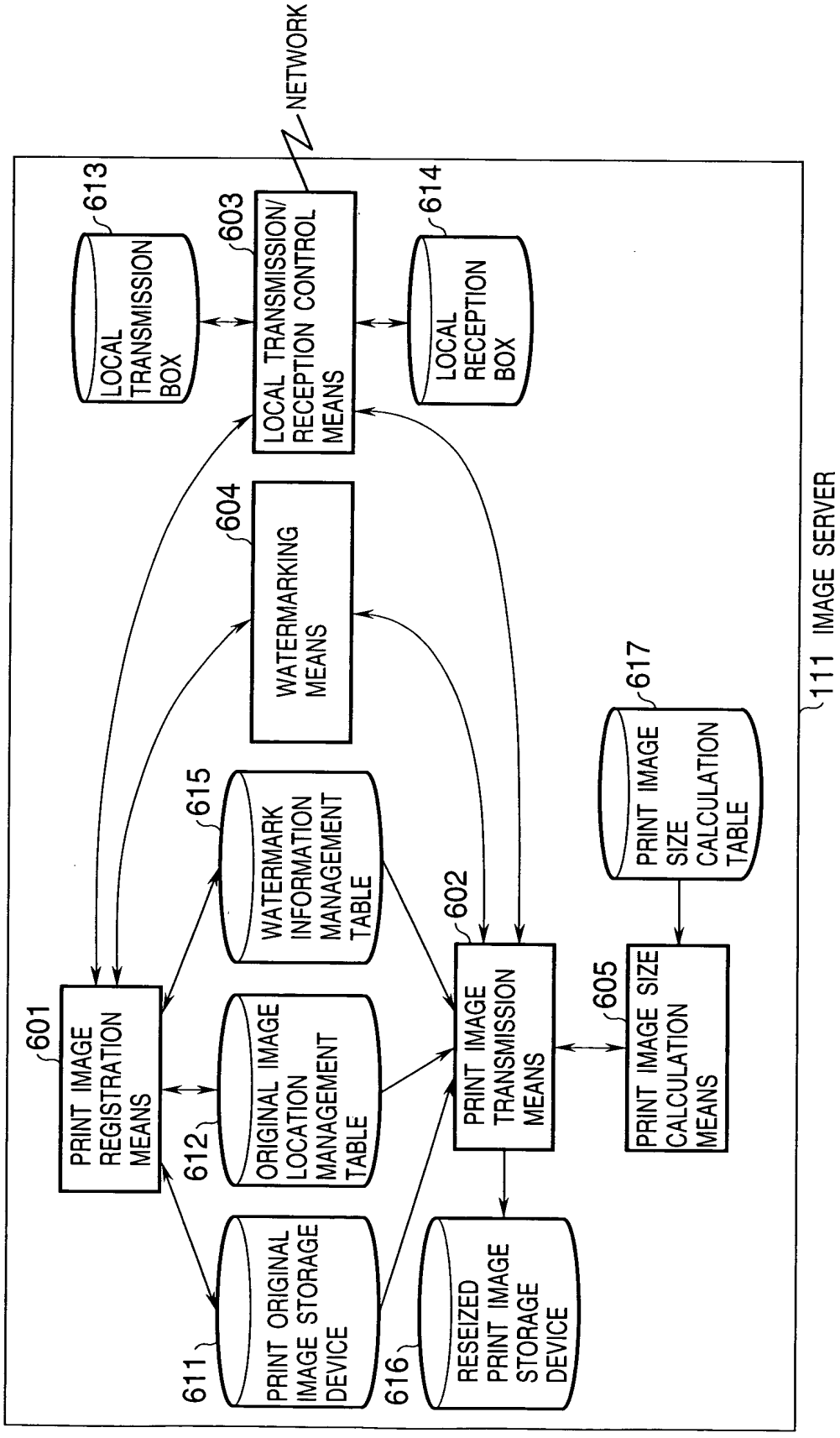

NETWORK
613
LOCAL TRANSMISSION BOX
603
LOCAL TRANSMISSION/ RECEPTION CONTROL MEANS
614
LOCAL RECEPTION BOX
604
WATERMARKING MEANS
615
WATERMARK INFORMATION MANAGEMENT TABLE
617
PRINT IMAGE SIZE CALCULATION TABLE
111 IMAGE SERVER
601
PRINT IMAGE REGISTRATION MEANS
612
ORIGINAL IMAGE LOCATION MANAGEMENT TABLE
602
PRINT IMAGE TRANSMISSION MEANS
605
PRINT IMAGE SIZE CALCULATION MEANS
611
PRINT ORIGINAL IMAGE STORAGE DEVICE
616
RESEIZED PRINT IMAGE STORAGE DEVICE

FIG. 7

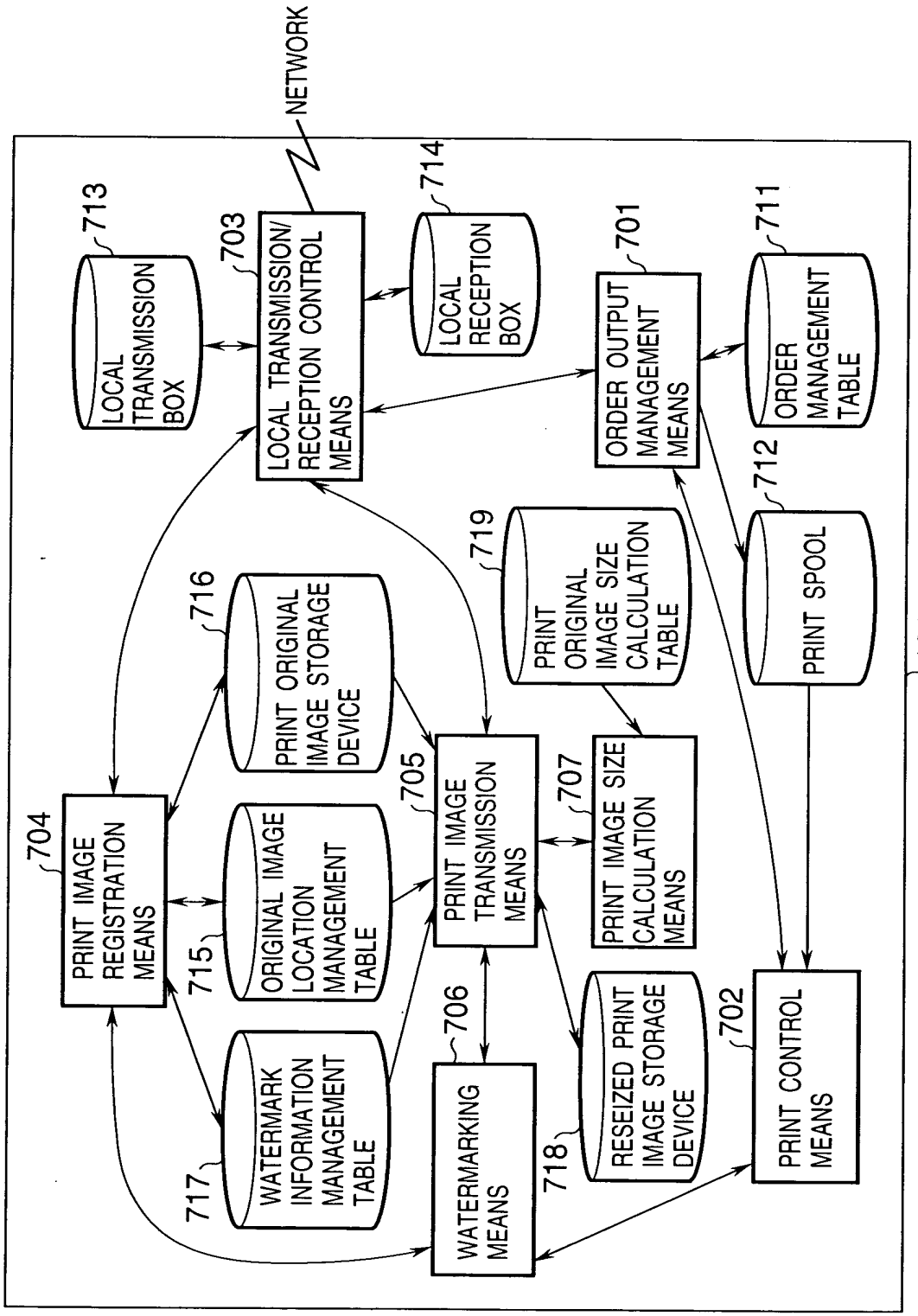

NETWORK
LOCAL TRANSMISSION BOX
713
LOCAL TRANSMISSION/ RECEPTION CONTROL MEANS
703
LOCAL RECEPTION BOX
714
ORDER OUTPUT MANAGEMENT MEANS
701
ORDER MANAGEMENT TABLE
711
PRINT SPOOL
712
PRINT ORIGINAL IMAGE SIZE CALCULATION TABLE
719
PRINT ORIGINAL IMAGE STORAGE DEVICE
716
PRINT IMAGE REGISTRATION MEANS
704
ORIGINAL IMAGE LOCATION MANAGEMENT TABLE
715
PRINT IMAGE TRANSMISSION MEANS
705
PRINT IMAGE SIZE CALCULATION MEANS
707
WATERMARK INFORMATION MANAGEMENT TABLE
717
WATERMARKING MEANS
706
RESEIZED PRINT IMAGE STORAGE DEVICE
718
PRINT CONTROL MEANS
702
121 PRINT SERVER

FIG. 8

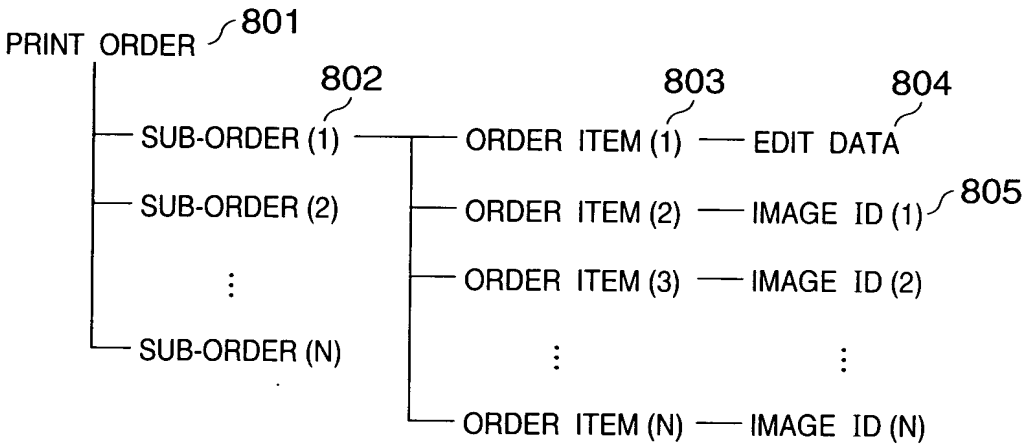

PRINT ORDER
801
802
803
804
805
SUB-ORDER (1)
SUB-ORDER (2)
SUB-ORDER (N)
ORDER ITEM (1)
ORDER ITEM (2)
ORDER ITEM (3)
ORDER ITEM (N)
EDIT DATA
IMAGE ID (1)
IMAGE ID (2)
IMAGE ID (N)

FIG. 9

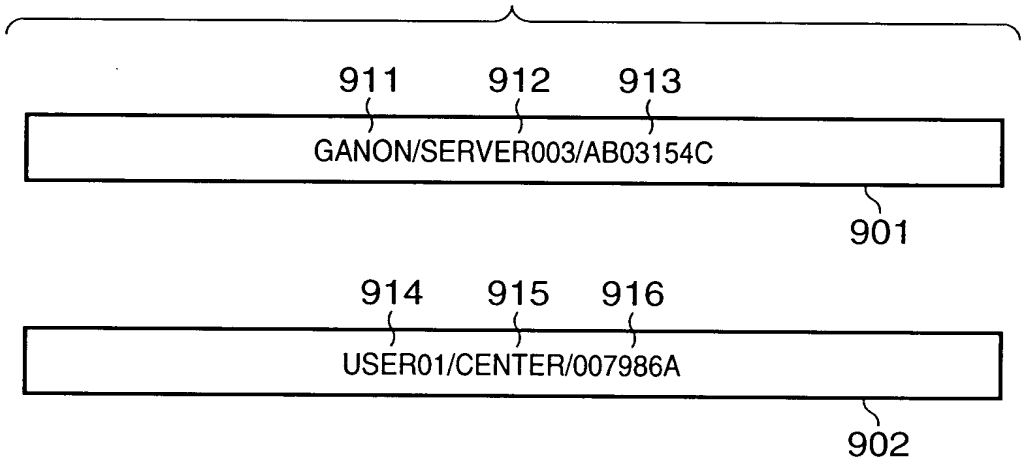

911
912
913
GANON/SERVER003/AB03154C
901
914
915
916
USER01/CENTER/007986A
902

FIG. 10

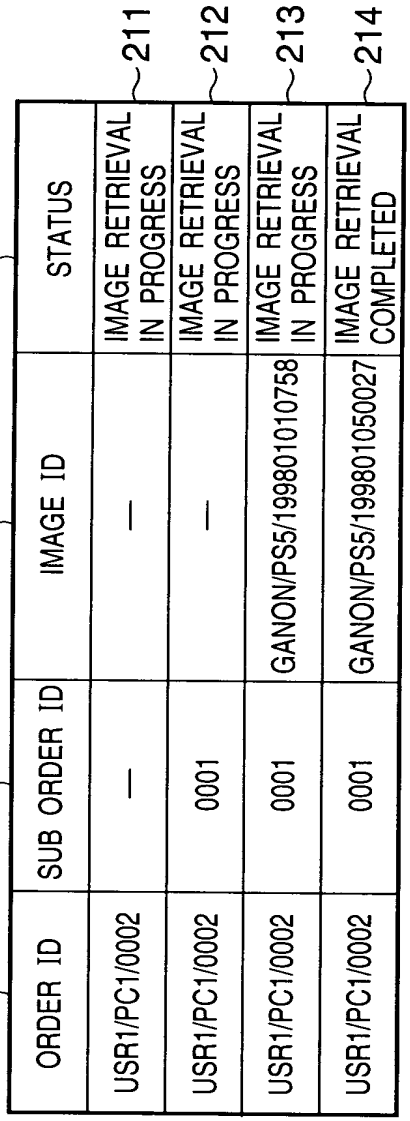

201
202
203
204
ORDER ID
SUB ORDER ID
IMAGE ID
STATUS
USR1/PC1/0002
—
—
IMAGE RETRIEVAL IN PROGRESS
211
USR1/PC1/0002
0001
—
IMAGE RETRIEVAL IN PROGRESS
212
USR1/PC1/0002
0001
GANON/PS5/19980101758
IMAGE RETRIEVAL IN PROGRESS
213
USR1/PC1/0002
0001
GANON/PS5/19980105027
IMAGE RETRIEVAL COMPLETED
214

FIG. 11

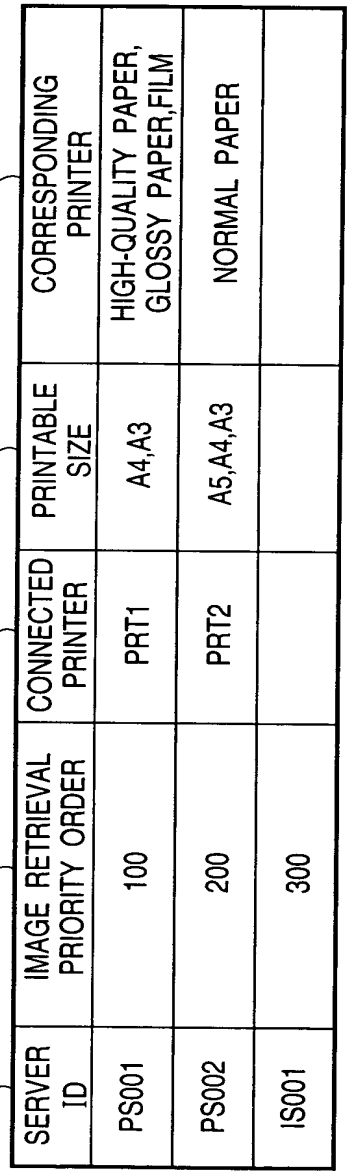

1101
1102
1103
1104
1105
SERVER ID
IMAGE RETRIEVAL PRIORITY ORDER
CONNECTED PRINTER
PRINTABLE SIZE
CORRESPONDING PRINTER
PS001
100
PRT1
A4,A3
HIGH-QUALITY PAPER, GLOSSY PAPER,FILM
PS002
200
PRT2
A5,A4,A3
NORMAL PAPER
IS001
300

FIG. 12

1201 IMAGE ID	1202 SIZE (NUMBER OF PIXELS)	1203 OWNER	1204 SAVING LOCATION	1205 ADDITIOAL INFORMATION	
GANON/PS01/1998ABC001	—	USR123	IS01	—	1211
GANON/PS03/1998ABC002	—	—	E:¥spool¥image1.jpg	USR13345/CENTER/0001	1212
GANON/PS03/1998ABC002	—	—	IS02	—	1213
GANON/PS03/1998ABC004	—	—	PS07	—	1214

1210

1201 IMAGE ID	1202 SIZE (NUMBER OF PIXELS)	1203 OWNER	1204 SAVING LOCATION	1205 ADDITIOAL INFORMATION	
GANON/IS01/1998ABC002	3072＊2048	—	D:¥image¥1998ABC002.jpg	—	1221
GANON/IS03/1998ABC002	801＊534	—	E:¥sendimage¥image1.jpg	PRINT IMAGE	1222
GANON/IS03/1998ABC003	3072＊2048	—	D:¥image¥1998ABC003_1.jpg	—	1223
GANON/IS03/1998ABC003	1536＊1024	—	D:¥image¥1998ABC003_2.jpg	—	1224
GANON/IS03/1998ABC003	768＊512	—	D:¥image¥1998ABC003_3.jpg	—	1225

1220

FIG. 13

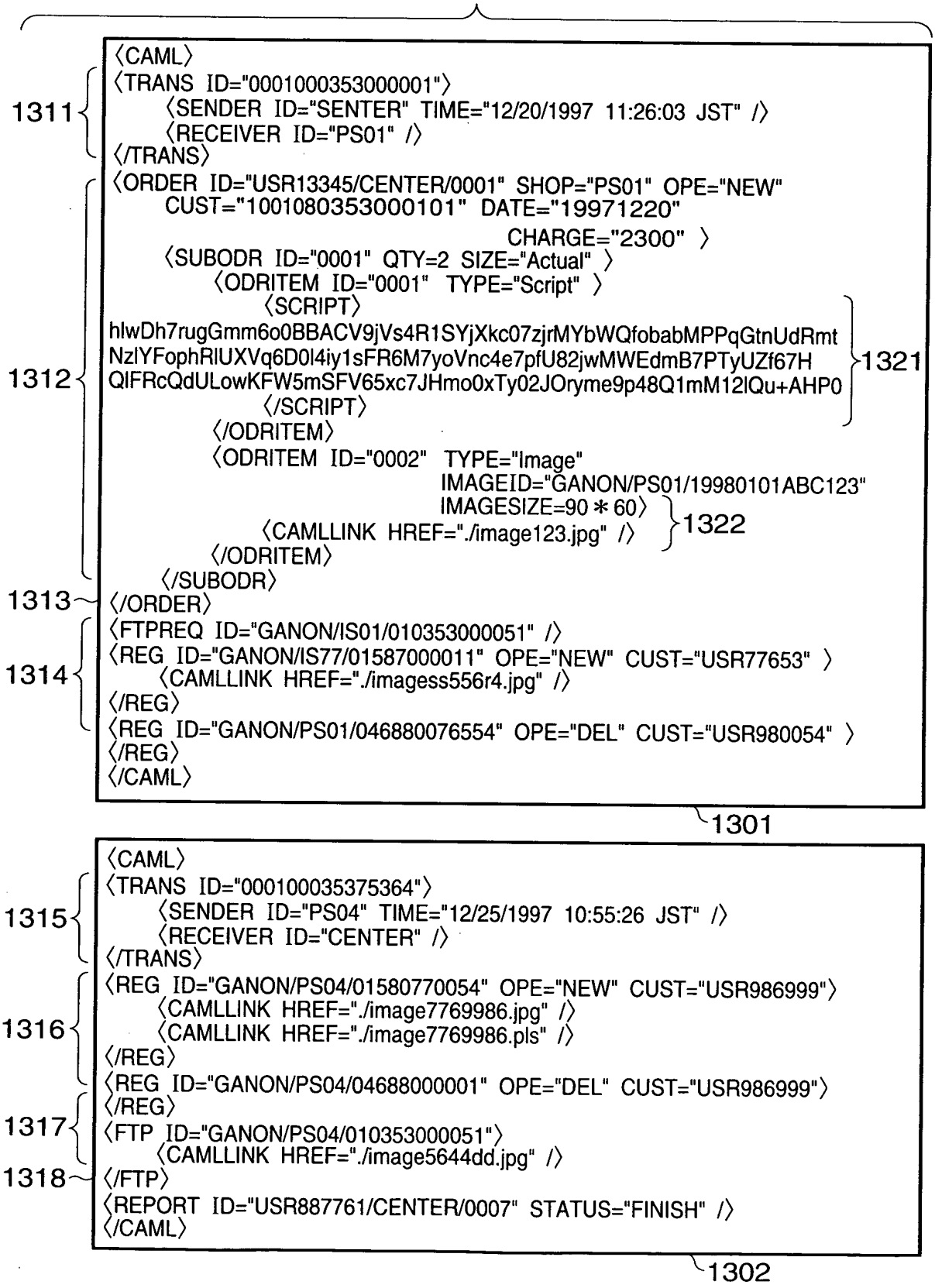
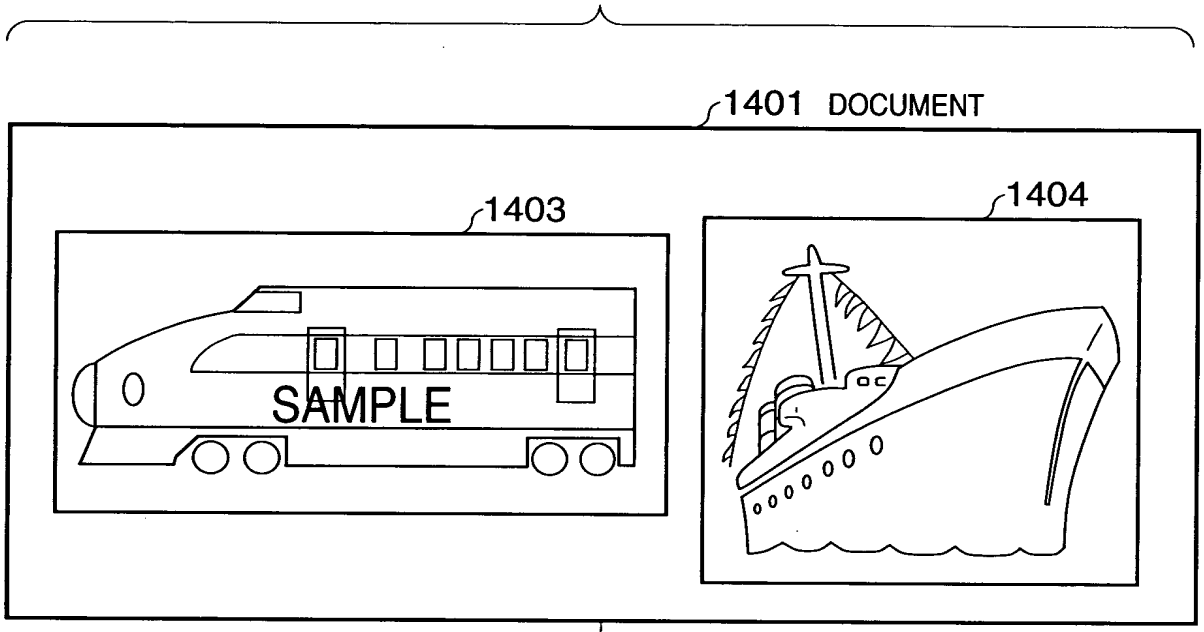

〈CAML〉
〈TRANS ID="0001000353000001"〉
〈SENDER ID="SENTER" TIME="12/20/1997 11:26:03 JST" /〉
〈RECEIVER ID="PS01" /〉
〈/TRANS〉
〈ORDER ID="USR13345/CENTER/0001" SHOP="PS01" OPE="NEW"
CUST="1001080353000101" DATE="19971220"
CHARGE="2300" 〉
〈SUBODR ID="0001" QTY=2 SIZE="Actual" 〉
〈ODRITEM ID="0001" TYPE="Script" 〉
〈SCRIPT〉
hlwDh7rugGmm6o0BBACV9jVs4R1SYjXkc07zjrMYbWQfobabMPPqGtnUdRmt
NzlYFophRlUXVq6D0l4iy1sFR6M7yoVnc4e7pfU82jwMWEdmB7PTyUZf67H
QlFRcQdULowKFW5mSFV65xc7JHmo0xTy02JOryme9p48Q1mM12lQu+AHP0
〈/SCRIPT〉
〈/ODRITEM〉
〈ODRITEM ID="0002" TYPE="Image"
IMAGEID="GANON/PS01/19980101ABC123"
IMAGESIZE=90 * 60〉
〈CAMLLINK HREF="./image123.jpg" /〉
〈/ODRITEM〉
〈/SUBODR〉
〈/ORDER〉
〈FTPREQ ID="GANON/IS01/010353000051" /〉
〈REG ID="GANON/IS77/01587000011" OPE="NEW" CUST="USR77653" 〉
〈CAMLLINK HREF="./imagess556r4.jpg" /〉
〈/REG〉
〈REG ID="GANON/PS01/046880076554" OPE="DEL" CUST="USR980054" 〉
〈/REG〉
〈/CAML〉
1311
1312
1313
1314
1321
1322
1301
〈CAML〉
〈TRANS ID="000100035375364"〉
〈SENDER ID="PS04" TIME="12/25/1997 10:55:26 JST" /〉
〈RECEIVER ID="CENTER" /〉
〈/TRANS〉
〈REG ID="GANON/PS04/01580770054" OPE="NEW" CUST="USR986999"〉
〈CAMLLINK HREF="./image7769986.jpg" /〉
〈CAMLLINK HREF="./image7769986.pls" /〉
〈/REG〉
〈REG ID="GANON/PS04/04688000001" OPE="DEL" CUST="USR986999"〉
〈/REG〉
〈FTP ID="GANON/PS04/010353000051"〉
〈CAMLLINK HREF="./image5644dd.jpg" /〉
〈/FTP〉
〈REPORT ID="USR887761/CENTER/0007" STATUS="FINISH" /〉
〈/CAML〉
1315
1316
1317
1318
1302

FIG. 14




```
#[imagetable
        imagetab( "GANON/IS03/1998ABC002", "./train.jpg");
        imagetab( "GANON/PS02/19980402BC66", "./ship.jpg");

#[document 0 0 297 210
#[page 1
                .
                .
                .
        image( 5, 5, ("GANON/IS03/1998ABC002", 1, ((1,0)));
        image( 50, 5, ("GANON/PS02/19980402BC66", 1, ((1,0)));
                .
                .
#[page
#[document
```

1402 SCRIPT(PAGE DESCRIPTION LANGUAGE)

FIG. 15

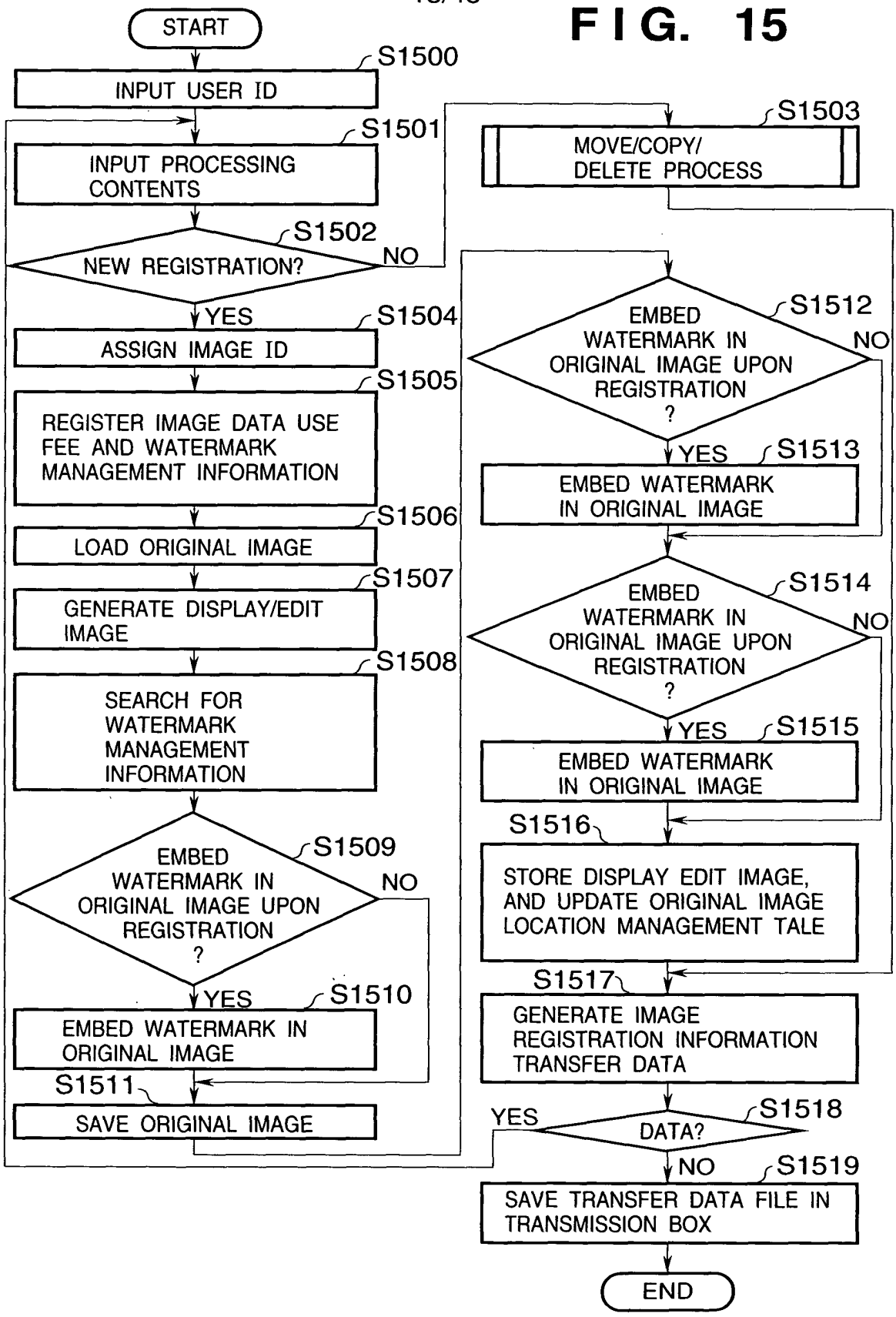

START
S1500
INPUT USER ID
S1501
INPUT PROCESSING CONTENTS
S1502
NEW REGISTRATION?
NO
YES
S1503
MOVE/COPY/ DELETE PROCESS
S1504
ASSIGN IMAGE ID
S1505
REGISTER IMAGE DATA USE FEE AND WATERMARK MANAGEMENT INFORMATION
S1506
LOAD ORIGINAL IMAGE
S1507
GENERATE DISPLAY/EDIT IMAGE
S1508
SEARCH FOR WATERMARK MANAGEMENT INFORMATION
S1509
EMBED WATERMARK IN ORIGINAL IMAGE UPON REGISTRATION ?
NO
YES
S1510
EMBED WATERMARK IN ORIGINAL IMAGE
S1511
SAVE ORIGINAL IMAGE
S1512
EMBED WATERMARK IN ORIGINAL IMAGE UPON REGISTRATION ?
NO
YES
S1513
EMBED WATERMARK IN ORIGINAL IMAGE
S1514
EMBED WATERMARK IN ORIGINAL IMAGE UPON REGISTRATION ?
NO
YES
S1515
EMBED WATERMARK IN ORIGINAL IMAGE
S1516
STORE DISPLAY EDIT IMAGE, AND UPDATE ORIGINAL IMAGE LOCATION MANAGEMENT TALE
S1517
GENERATE IMAGE REGISTRATION INFORMATION TRANSFER DATA
S1518
YES
DATA?
NO
S1519
SAVE TRANSFER DATA FILE IN TRANSMISSION BOX
END

FIG. 16

```
〈REG ID="/GANON/IS01/010353000051"
      OPE="NEW"
      CUST="1001080353000101"
      SHOP="1001"〉
    〈CAMLLINK HREF="./im012345.jpg" /〉
    〈CAMLLINK HREF="./im012345.pls" /〉
〈/REG〉
```

FIG. 17

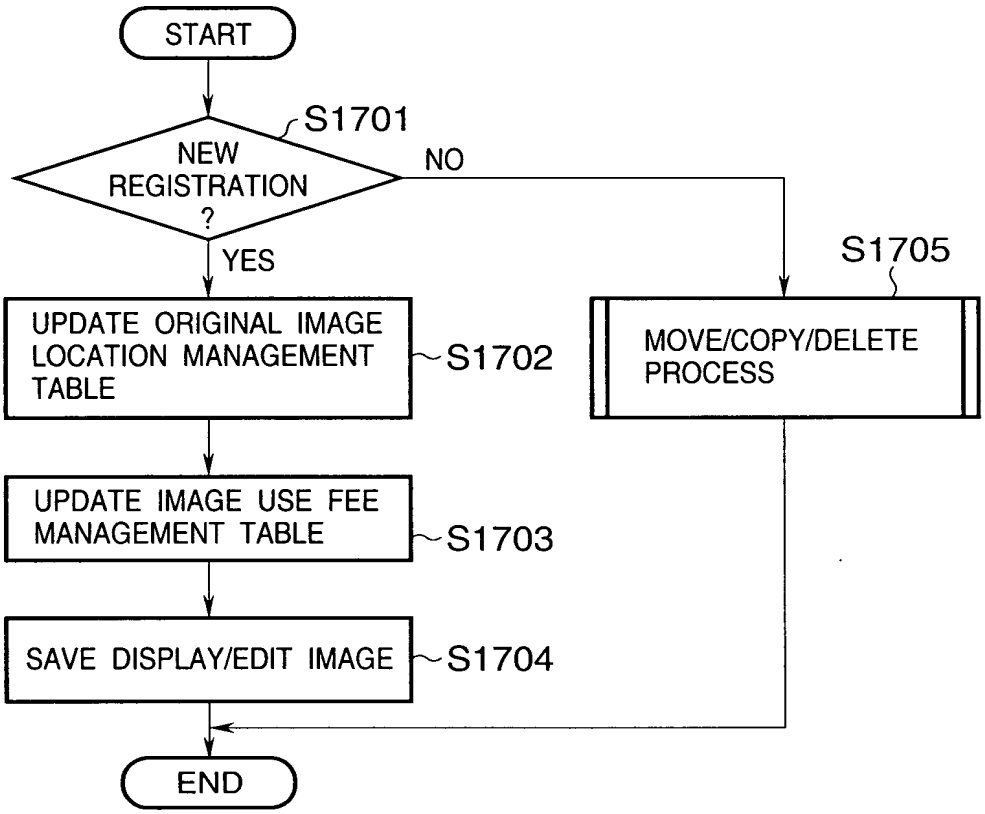

START
S1701
NEW REGISTRATION ?
NO
YES
S1705
UPDATE ORIGINAL IMAGE LOCATION MANAGEMENT TABLE
S1702
MOVE/COPY/DELETE PROCESS
UPDATE IMAGE USE FEE MANAGEMENT TABLE
S1703
SAVE DISPLAY/EDIT IMAGE
S1704
END

FIG. 18

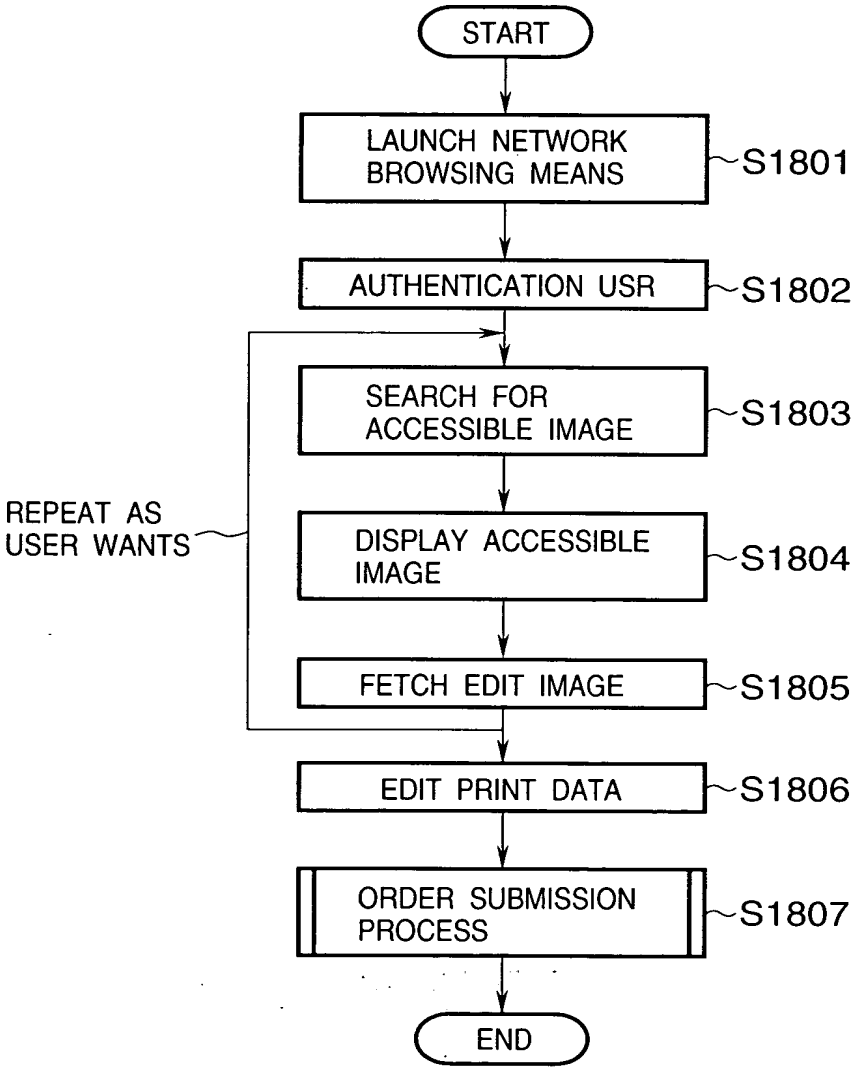

START
LAUNCH NETWORK BROWSING MEANS
S1801
AUTHENTICATION USR
S1802
SEARCH FOR ACCESSIBLE IMAGE
S1803
REPEAT AS USER WANTS
DISPLAY ACCESSIBLE IMAGE
S1804
FETCH EDIT IMAGE
S1805
EDIT PRINT DATA
S1806
ORDER SUBMISSION PROCESS
S1807
END

FIG. 19

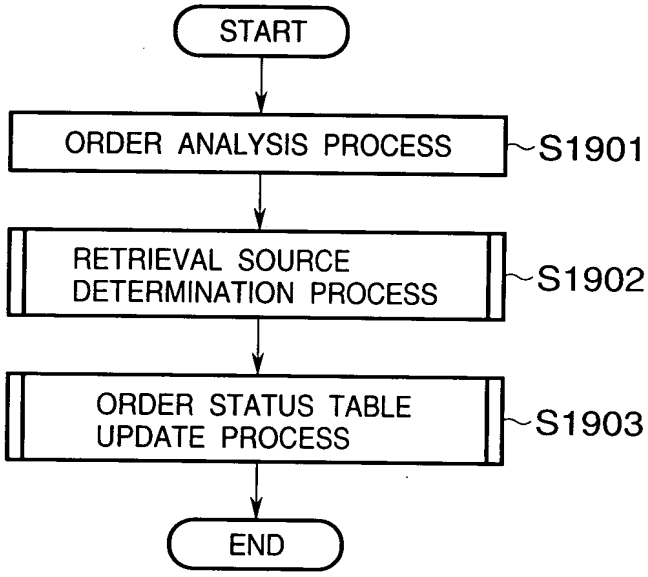

START
ORDER ANALYSIS PROCESS
S1901
RETRIEVAL SOURCE DETERMINATION PROCESS
S1902
ORDER STATUS TABLE UPDATE PROCESS
S1903
END

FIG. 20

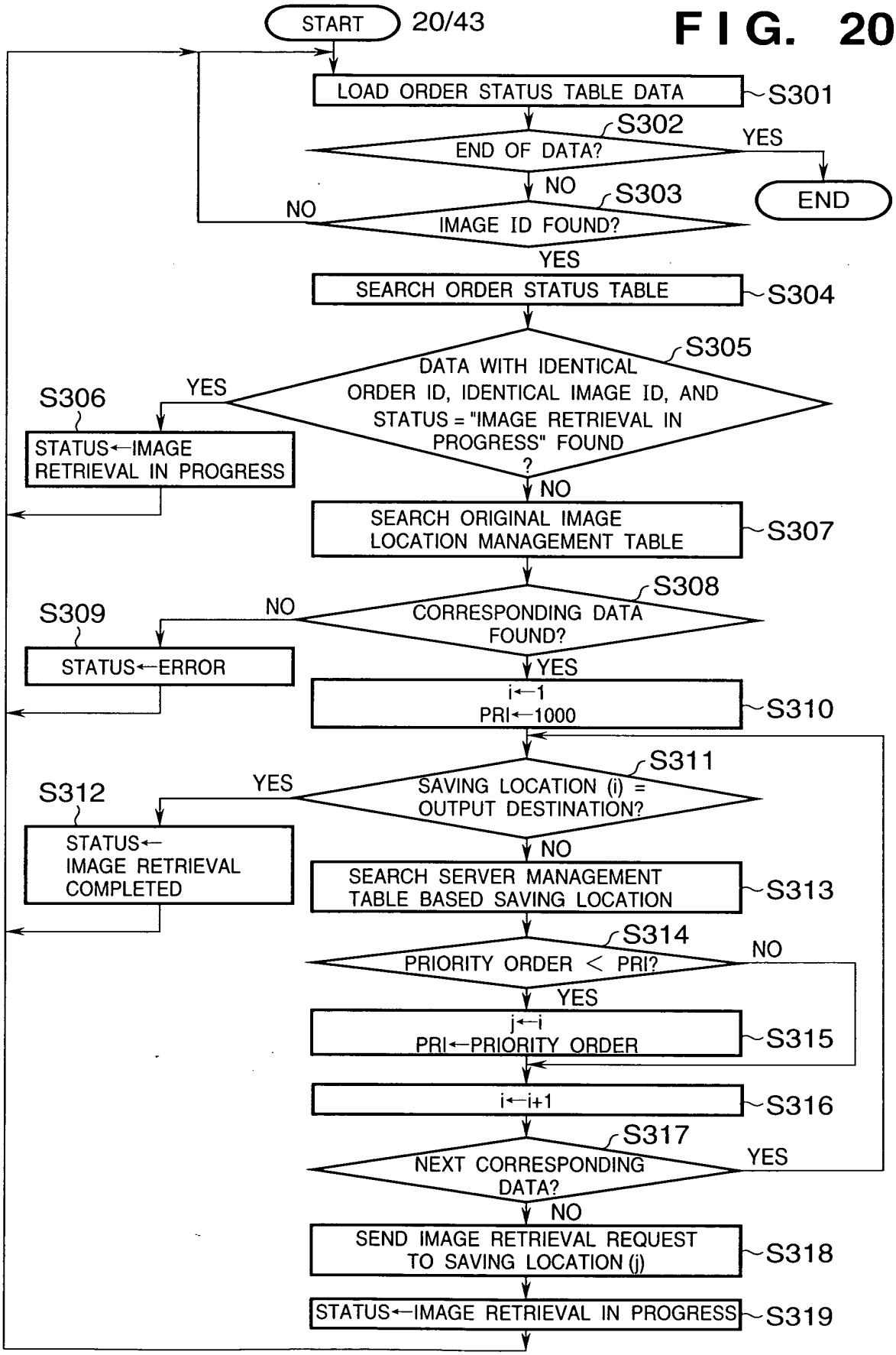

START
LOAD ORDER STATUS TABLE DATA
S301
S302
END OF DATA?
YES
END
NO
S303
NO
IMAGE ID FOUND?
YES
SEARCH ORDER STATUS TABLE
S304
S305
DATA WITH IDENTICAL ORDER ID, IDENTICAL IMAGE ID, AND STATUS = "IMAGE RETRIEVAL IN PROGRESS" FOUND ?
YES
S306
STATUS←IMAGE RETRIEVAL IN PROGRESS
NO
SEARCH ORIGINAL IMAGE LOCATION MANAGEMENT TABLE
S307
S308
CORRESPONDING DATA FOUND?
NO
S309
STATUS←ERROR
YES
i←1
PRI←1000
S310
S311
SAVING LOCATION (i) = OUTPUT DESTINATION?
YES
S312
STATUS← IMAGE RETRIEVAL COMPLETED
NO
SEARCH SERVER MANAGEMENT TABLE BASED SAVING LOCATION
S313
S314
PRIORITY ORDER < PRI?
NO
YES
j←i
PRI←PRIORITY ORDER
S315
i←i+1
S316
S317
NEXT CORRESPONDING DATA?
YES
NO
SEND IMAGE RETRIEVAL REQUEST TO SAVING LOCATION (j)
S318
STATUS←IMAGE RETRIEVAL IN PROGRESS
S319

FIG. 21

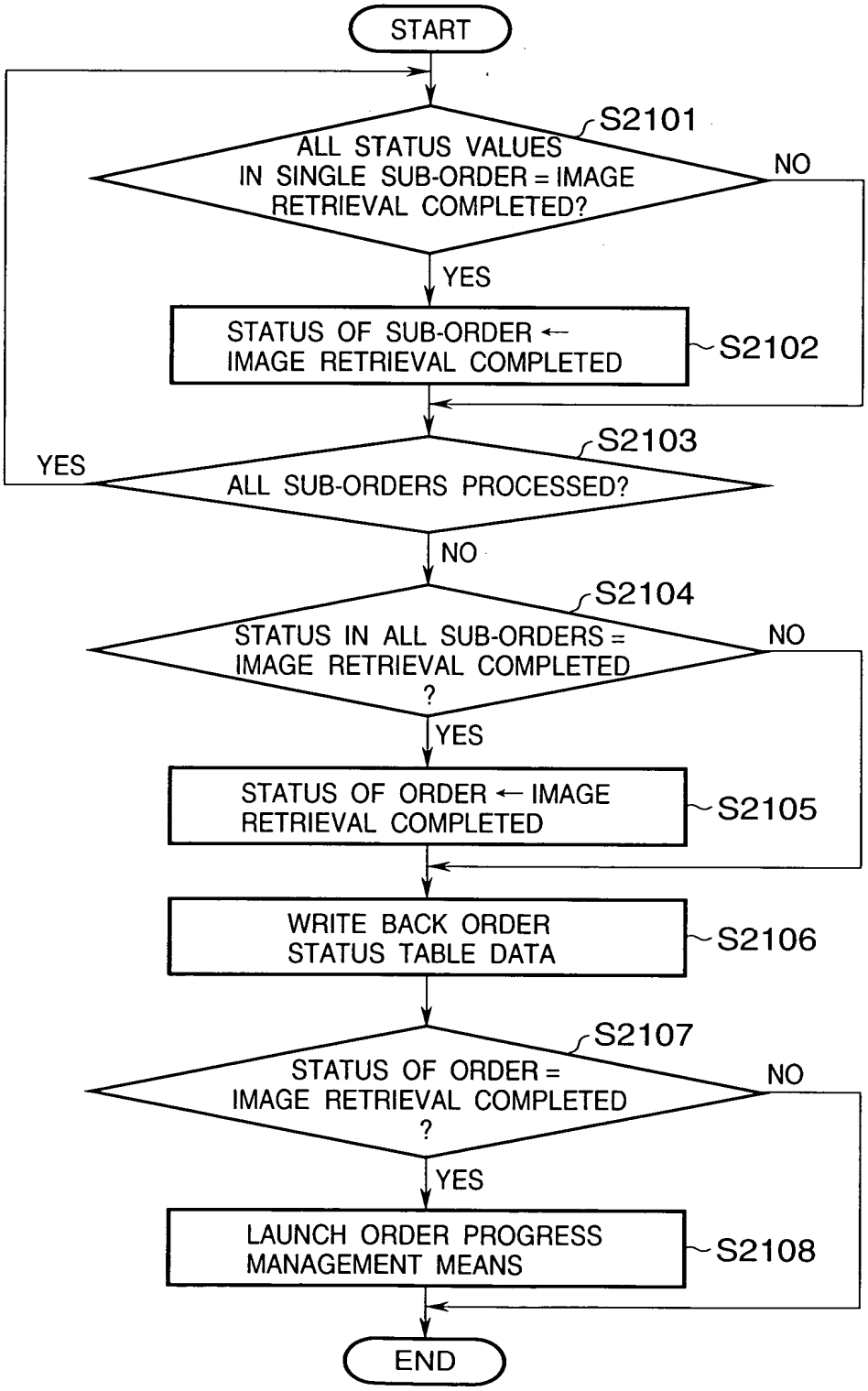

START
S2101
ALL STATUS VALUES IN SINGLE SUB-ORDER = IMAGE RETRIEVAL COMPLETED?
NO
YES
STATUS OF SUB-ORDER ← IMAGE RETRIEVAL COMPLETED
S2102
S2103
YES
ALL SUB-ORDERS PROCESSED?
NO
S2104
STATUS IN ALL SUB-ORDERS = IMAGE RETRIEVAL COMPLETED ?
NO
YES
STATUS OF ORDER ← IMAGE RETRIEVAL COMPLETED
S2105
WRITE BACK ORDER STATUS TABLE DATA
S2106
S2107
STATUS OF ORDER = IMAGE RETRIEVAL COMPLETED ?
NO
YES
LAUNCH ORDER PROGRESS MANAGEMENT MEANS
S2108
END

FIG. 22

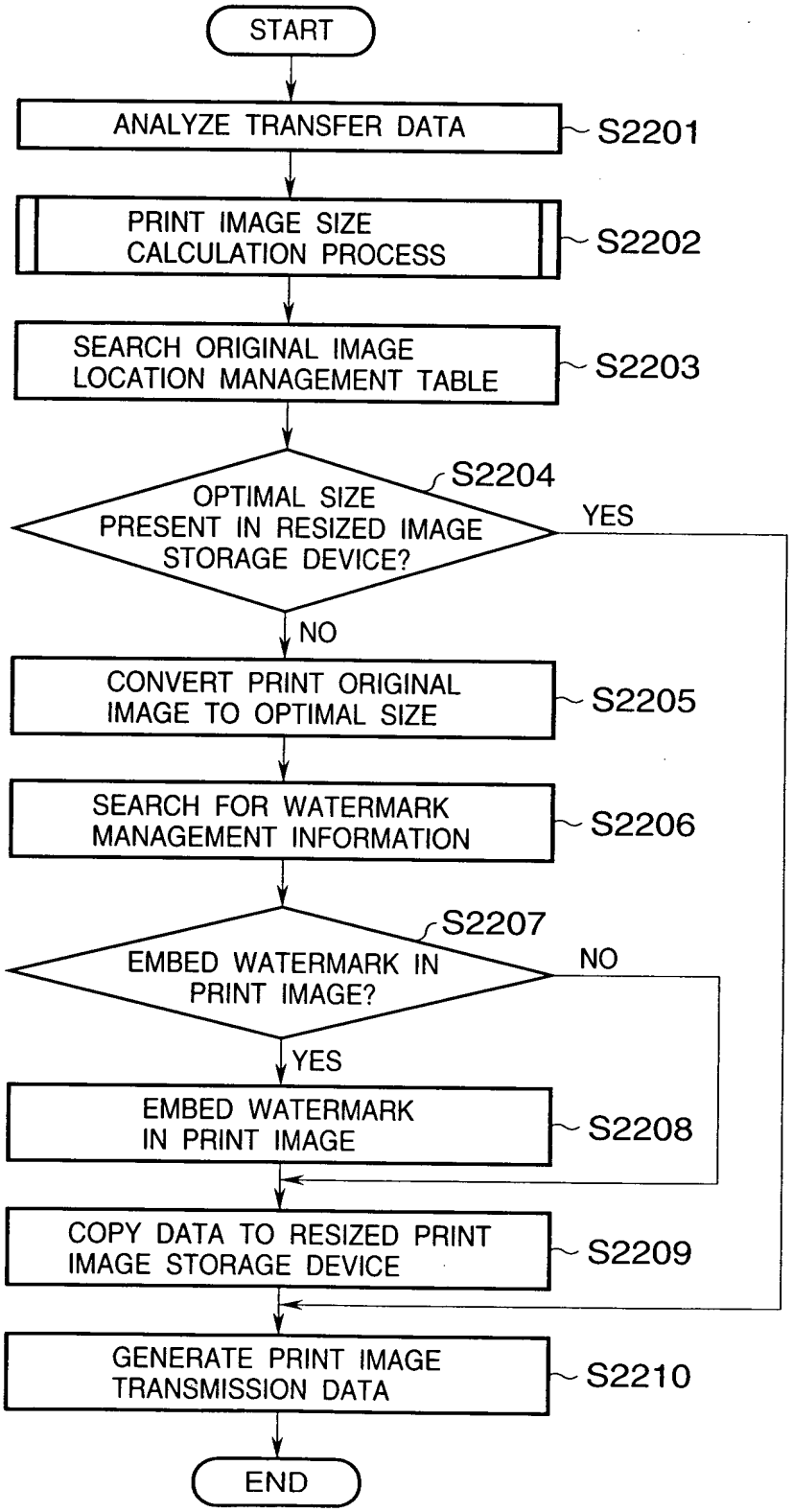

START
ANALYZE TRANSFER DATA
S2201
PRINT IMAGE SIZE CALCULATION PROCESS
S2202
SEARCH ORIGINAL IMAGE LOCATION MANAGEMENT TABLE
S2203
S2204
OPTIMAL SIZE PRESENT IN RESIZED IMAGE STORAGE DEVICE?
YES
NO
CONVERT PRINT ORIGINAL IMAGE TO OPTIMAL SIZE
S2205
SEARCH FOR WATERMARK MANAGEMENT INFORMATION
S2206
S2207
EMBED WATERMARK IN PRINT IMAGE?
NO
YES
EMBED WATERMARK IN PRINT IMAGE
S2208
COPY DATA TO RESIZED PRINT IMAGE STORAGE DEVICE
S2209
GENERATE PRINT IMAGE TRANSMISSION DATA
S2210
END

FIG. 23

```
〈CAML〉
〈TRANS ID="0001000353000001"〉
    〈SENDER ID="IS04" TIME="12/20/1997 11:26:03 JST" /〉
    〈RECEIVER ID="CENTER" /〉
〈/TRANS〉
〈ORDER ID="USR13345/CENTER/0001" SHOP="PS01" OPE="NEW"
    CUST="1001080353000101" DATE="19971220" CHARGE="2300" 〉
〈/ORDER〉
〈FTP ID="/GANON/IS01/010353000051" /〉
    〈CAMLLINK HREF="./image123.jpg" /〉
〈/FTP〉
〈/CAML〉
```

FIG. 24

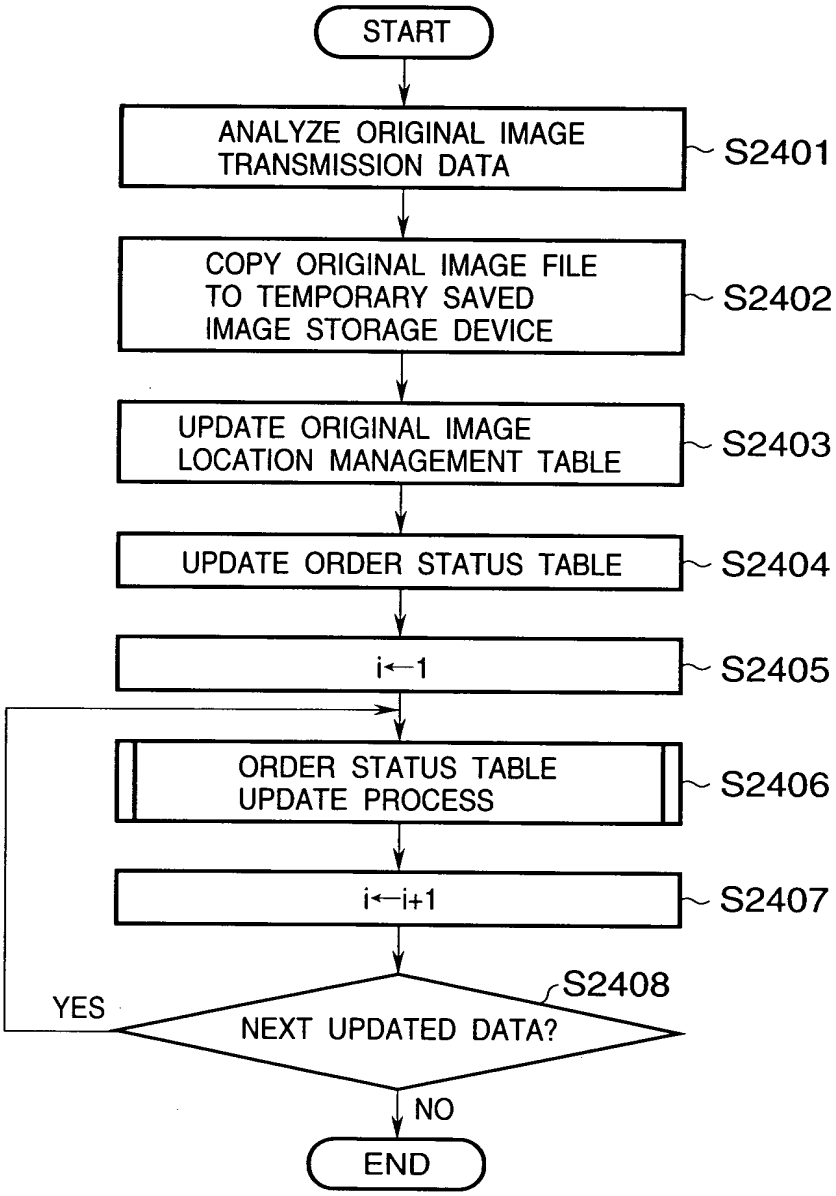

START
ANALYZE ORIGINAL IMAGE TRANSMISSION DATA
S2401
COPY ORIGINAL IMAGE FILE TO TEMPORARY SAVED IMAGE STORAGE DEVICE
S2402
UPDATE ORIGINAL IMAGE LOCATION MANAGEMENT TABLE
S2403
UPDATE ORDER STATUS TABLE
S2404
i←1
S2405
ORDER STATUS TABLE UPDATE PROCESS
S2406
i←i+1
S2407
S2408
NEXT UPDATED DATA?
YES
NO
END

FIG. 25

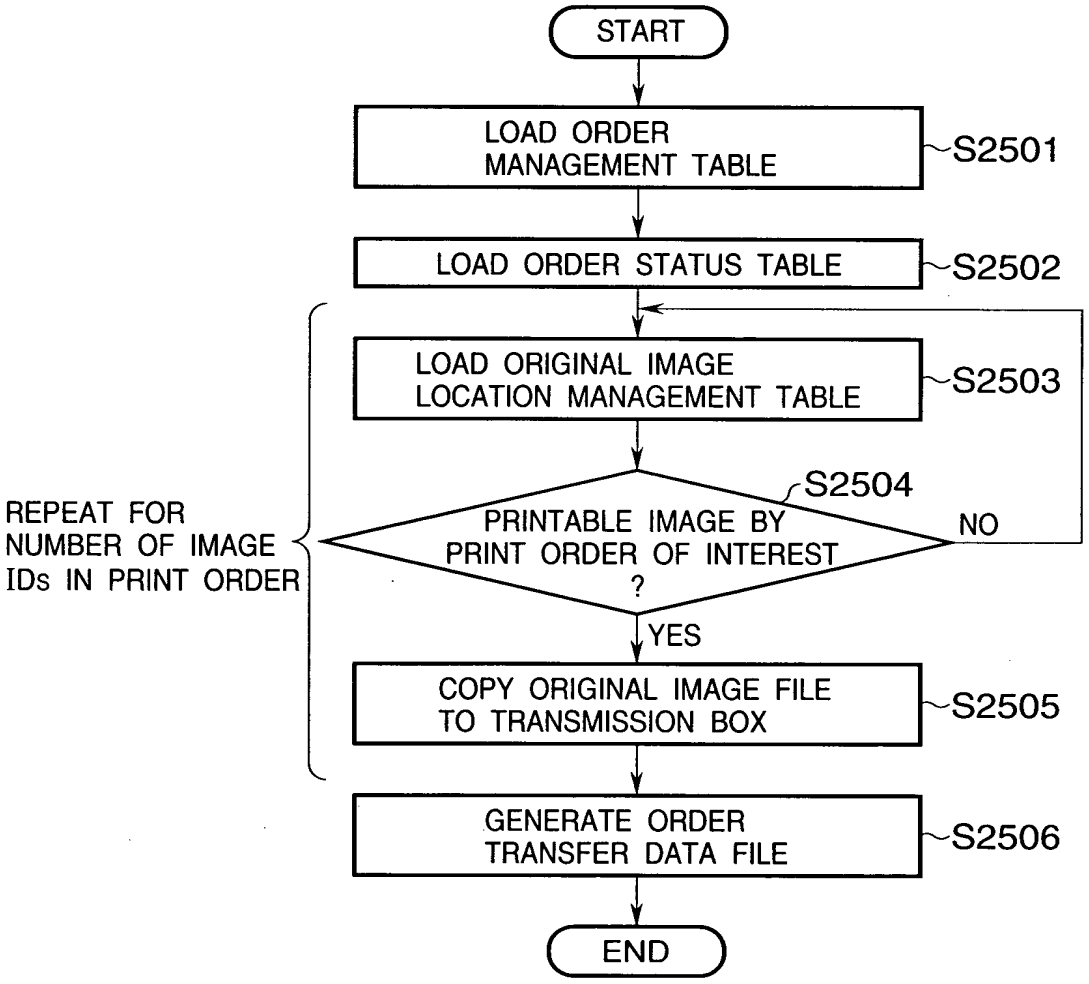

START
LOAD ORDER MANAGEMENT TABLE
S2501
LOAD ORDER STATUS TABLE
S2502
LOAD ORIGINAL IMAGE LOCATION MANAGEMENT TABLE
S2503
S2504
PRINTABLE IMAGE BY PRINT ORDER OF INTEREST ?
NO
YES
REPEAT FOR NUMBER OF IMAGE IDs IN PRINT ORDER
COPY ORIGINAL IMAGE FILE TO TRANSMISSION BOX
S2505
GENERATE ORDER TRANSFER DATA FILE
S2506
END

FIG. 26

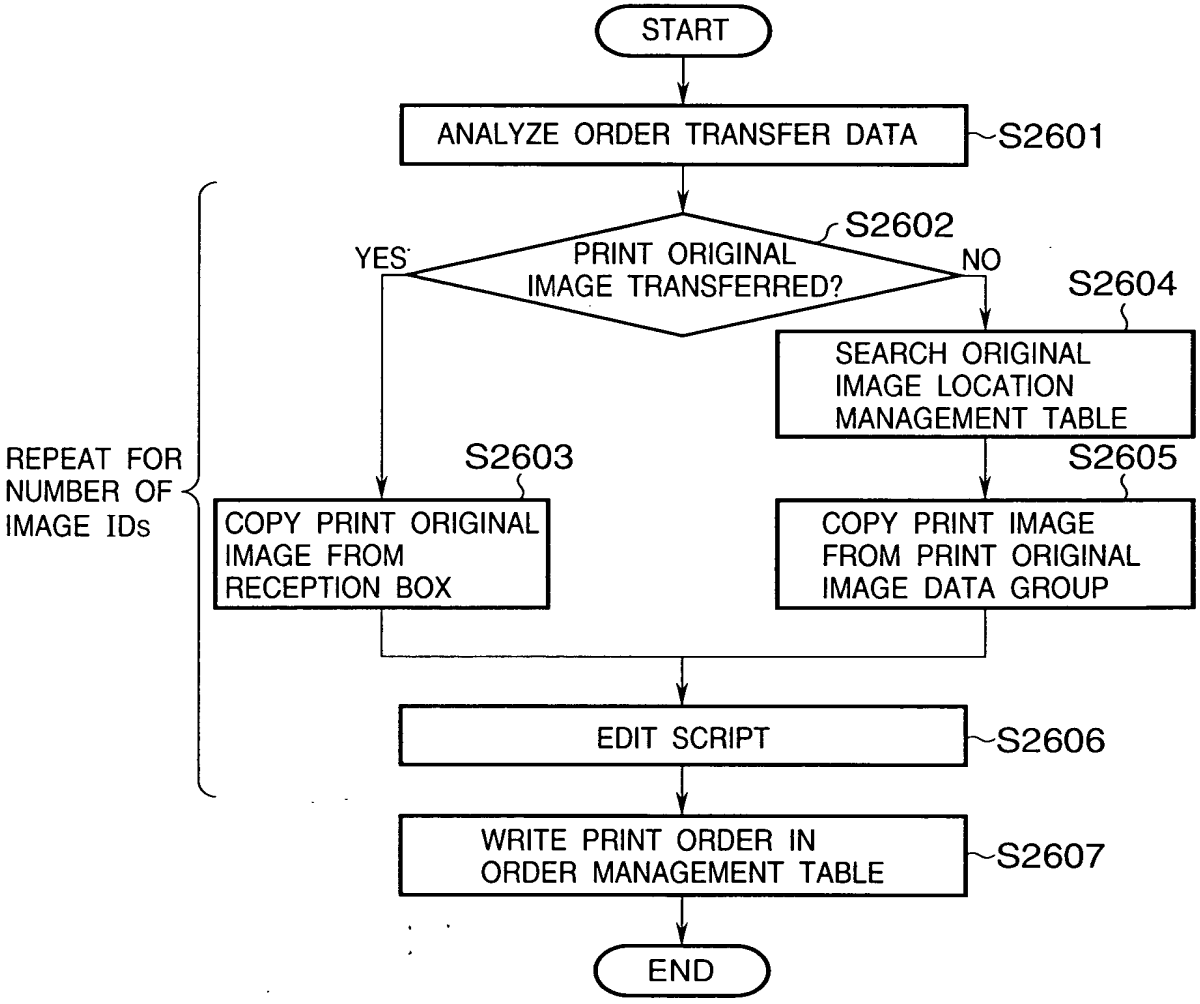

START
ANALYZE ORDER TRANSFER DATA
S2601
S2602
PRINT ORIGINAL IMAGE TRANSFERRED?
YES
NO
S2604
SEARCH ORIGINAL IMAGE LOCATION MANAGEMENT TABLE
S2603
S2605
REPEAT FOR NUMBER OF IMAGE IDs
COPY PRINT ORIGINAL IMAGE FROM RECEPTION BOX
COPY PRINT IMAGE FROM PRINT ORIGINAL IMAGE DATA GROUP
EDIT SCRIPT
S2606
WRITE PRINT ORDER IN ORDER MANAGEMENT TABLE
S2607
END

FIG. 27

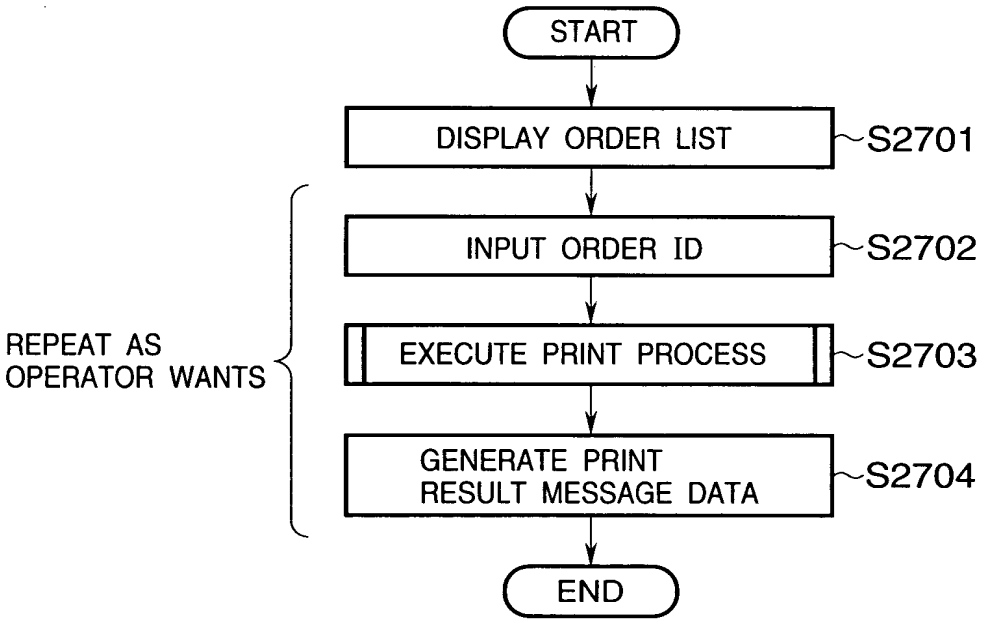

START
DISPLAY ORDER LIST
S2701
INPUT ORDER ID
S2702
EXECUTE PRINT PROCESS
S2703
GENERATE PRINT RESULT MESSAGE DATA
S2704
END
REPEAT AS OPERATOR WANTS

FIG. 28

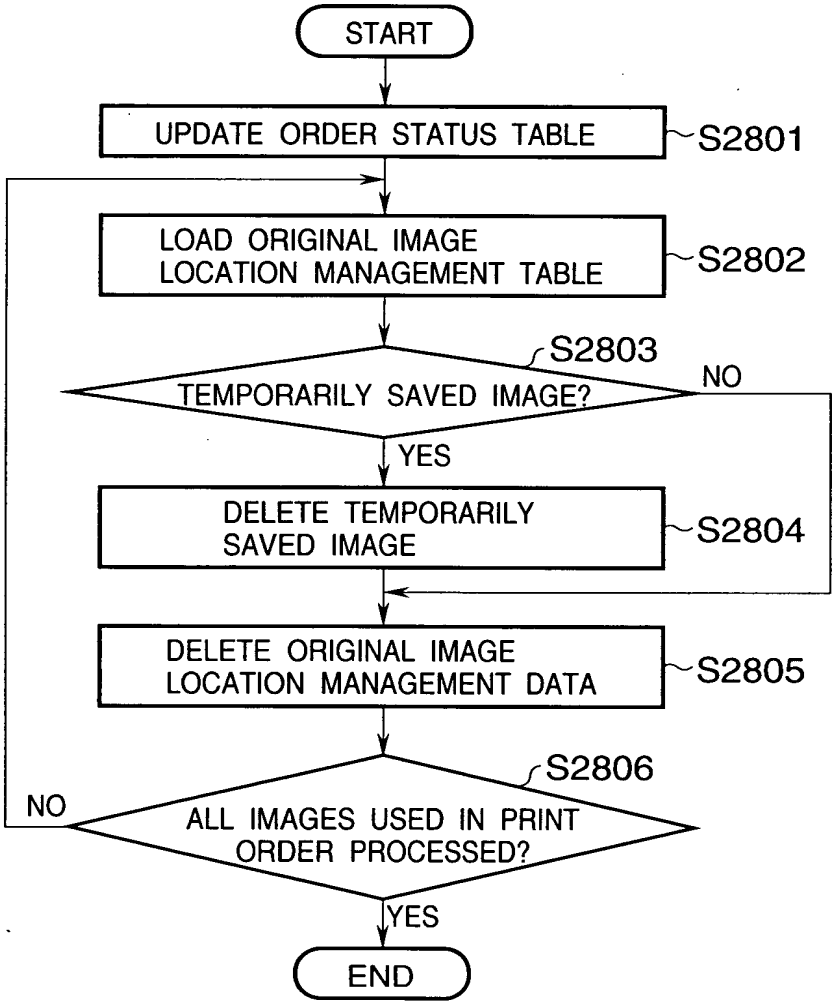

START
UPDATE ORDER STATUS TABLE
S2801
LOAD ORIGINAL IMAGE LOCATION MANAGEMENT TABLE
S2802
S2803
TEMPORARILY SAVED IMAGE?
NO
YES
DELETE TEMPORARILY SAVED IMAGE
S2804
DELETE ORIGINAL IMAGE LOCATION MANAGEMENT DATA
S2805
S2806
NO
ALL IMAGES USED IN PRINT ORDER PROCESSED?
YES
END

FIG. 29

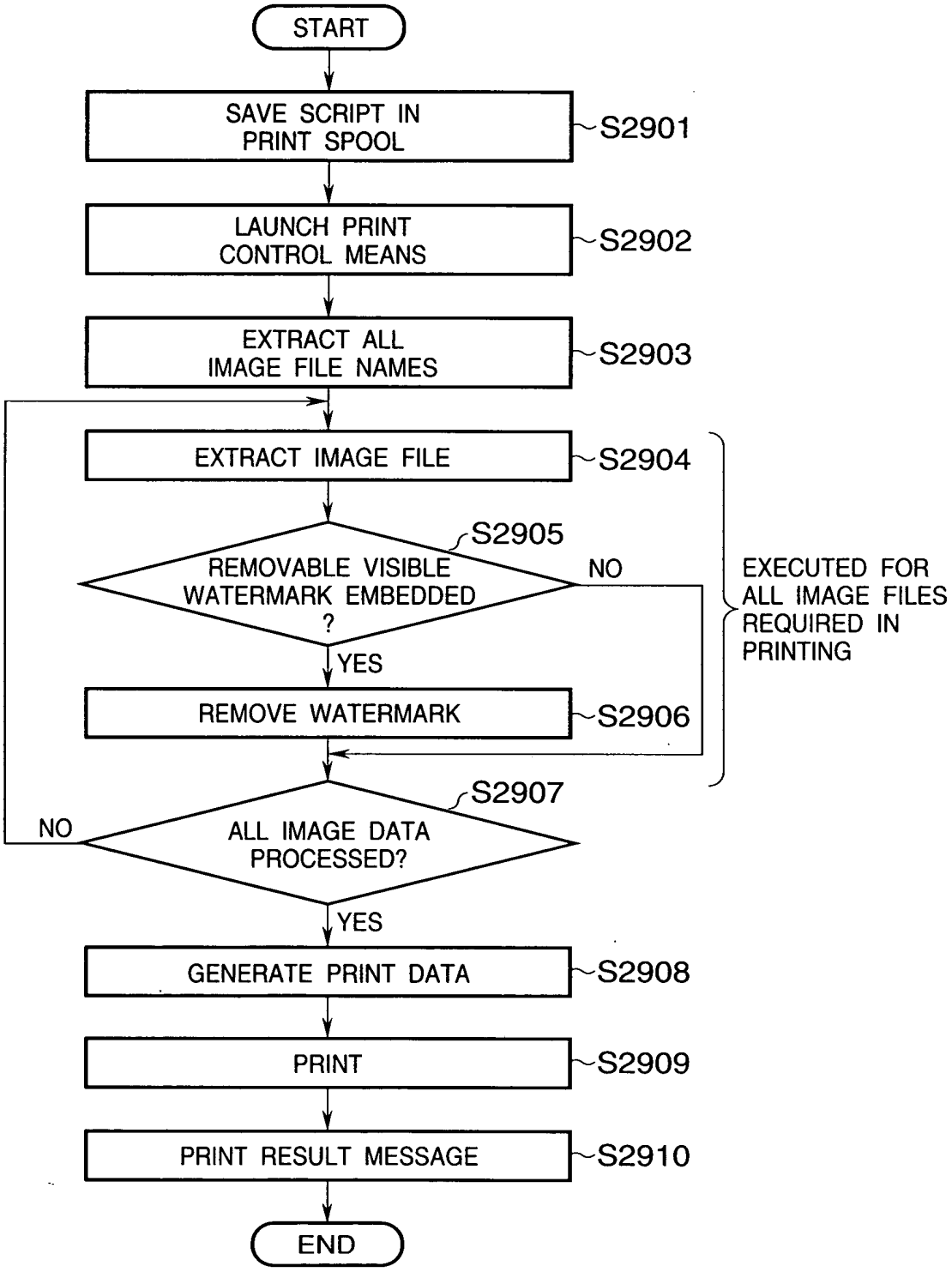

START
SAVE SCRIPT IN PRINT SPOOL
S2901
LAUNCH PRINT CONTROL MEANS
S2902
EXTRACT ALL IMAGE FILE NAMES
S2903
EXTRACT IMAGE FILE
S2904
S2905
REMOVABLE VISIBLE WATERMARK EMBEDDED ?
NO
YES
REMOVE WATERMARK
S2906
EXECUTED FOR ALL IMAGE FILES REQUIRED IN PRINTING
S2907
NO
ALL IMAGE DATA PROCESSED?
YES
GENERATE PRINT DATA
S2908
PRINT
S2909
PRINT RESULT MESSAGE
S2910
END

FIG. 30

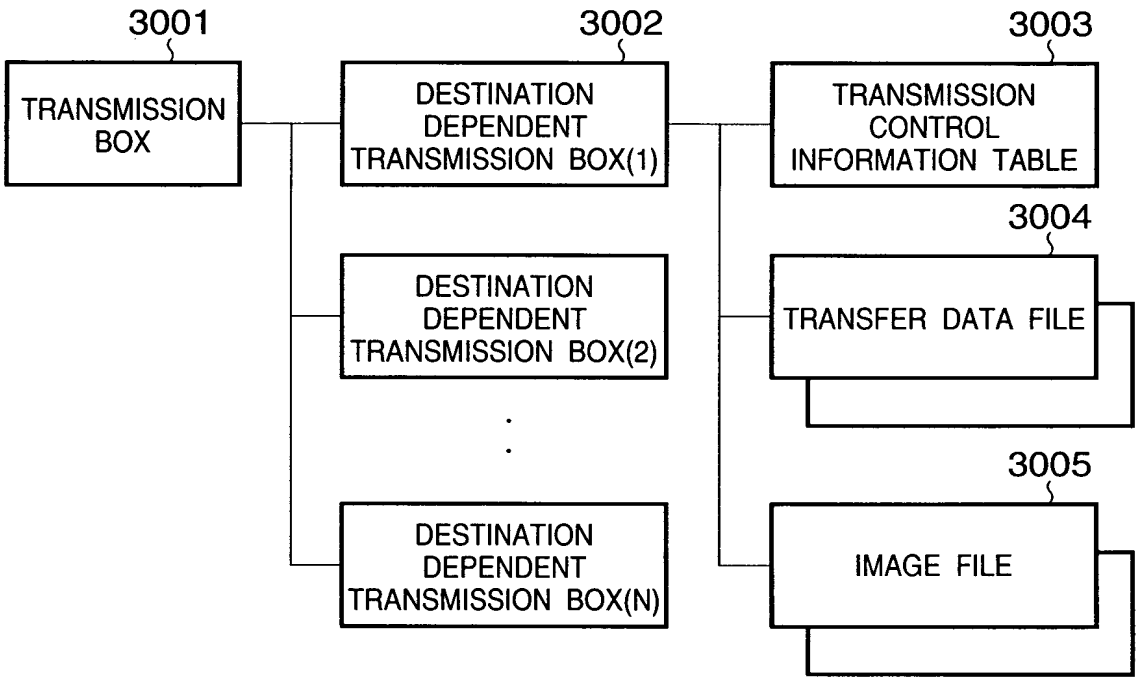

3001
TRANSMISSION BOX
3002
DESTINATION DEPENDENT TRANSMISSION BOX(1)
DESTINATION DEPENDENT TRANSMISSION BOX(2)
DESTINATION DEPENDENT TRANSMISSION BOX(N)
3003
TRANSMISSION CONTROL INFORMATION TABLE
3004
TRANSFER DATA FILE
3005
IMAGE FILE

FIG. 31

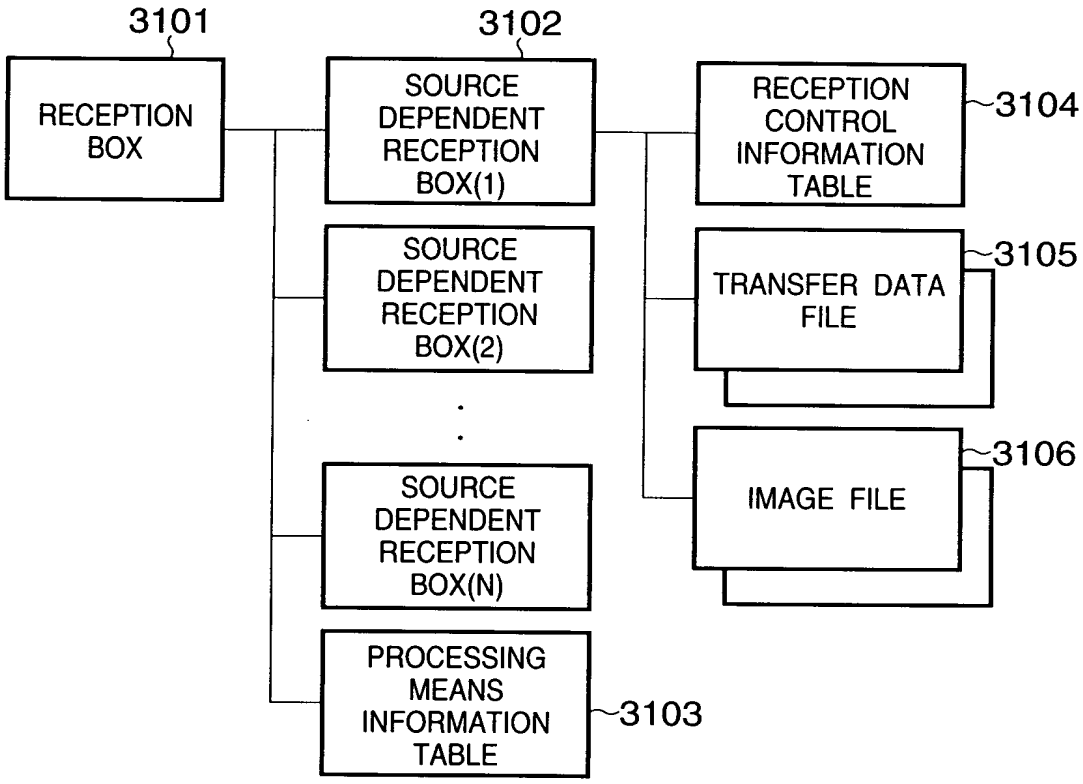

3101
3102
RECEPTION BOX
SOURCE DEPENDENT RECEPTION BOX(1)
SOURCE DEPENDENT RECEPTION BOX(2)
SOURCE DEPENDENT RECEPTION BOX(N)
PROCESSING MEANS INFORMATION TABLE
3103
RECEPTION CONTROL INFORMATION TABLE
3104
TRANSFER DATA FILE
3105
IMAGE FILE
3106

FIG. 32

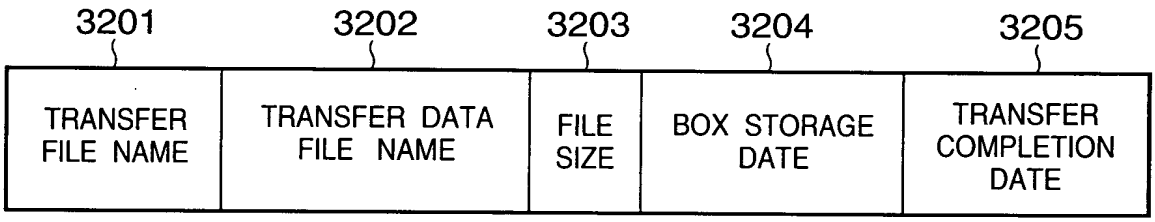

3201
3202
3203
3204
3205
TRANSFER FILE NAME
TRANSFER DATA FILE NAME
FILE SIZE
BOX STORAGE DATE
TRANSFER COMPLETION DATE

FIG. 33

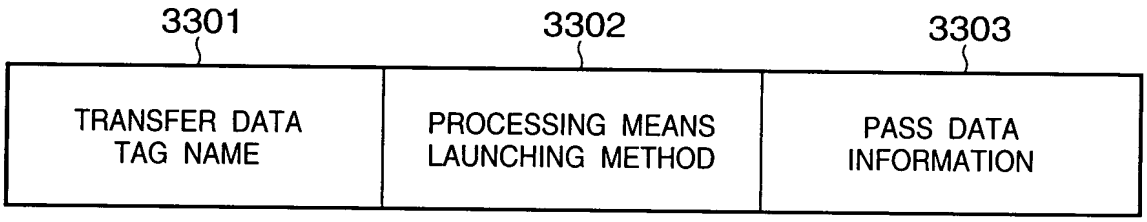

3301
3302
3303
TRANSFER DATA TAG NAME
PROCESSING MEANS LAUNCHING METHOD
PASS DATA INFORMATION

FIG. 34

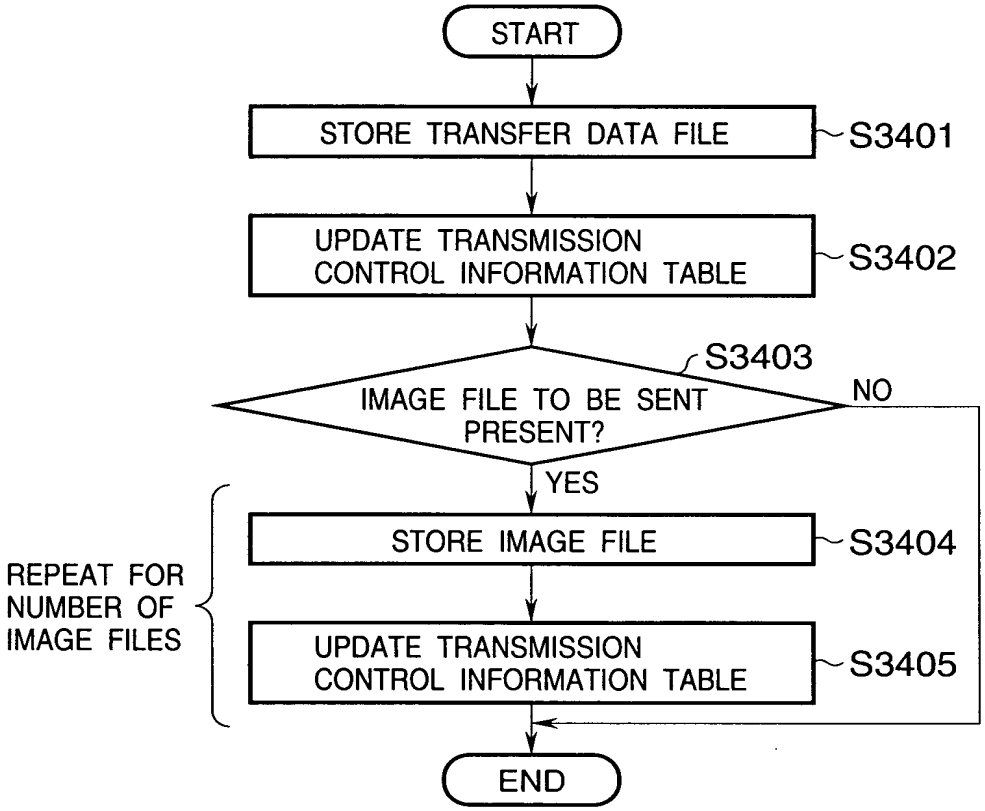

START
STORE TRANSFER DATA FILE
S3401
UPDATE TRANSMISSION CONTROL INFORMATION TABLE
S3402
S3403
IMAGE FILE TO BE SENT PRESENT?
NO
YES
STORE IMAGE FILE
S3404
UPDATE TRANSMISSION CONTROL INFORMATION TABLE
S3405
REPEAT FOR NUMBER OF IMAGE FILES
END

FIG. 35

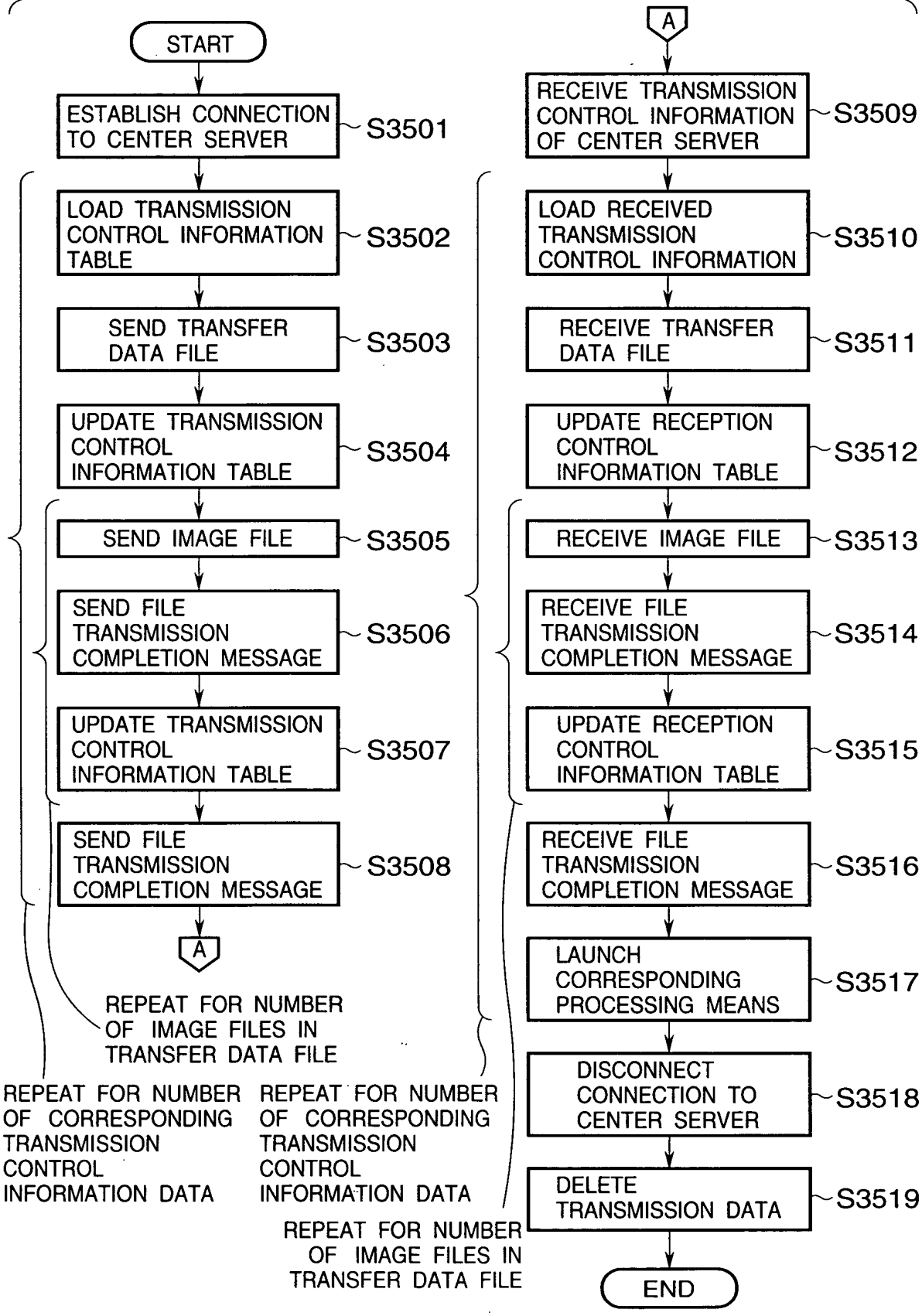

START
ESTABLISH CONNECTION TO CENTER SERVER
S3501
LOAD TRANSMISSION CONTROL INFORMATION TABLE
S3502
SEND TRANSFER DATA FILE
S3503
UPDATE TRANSMISSION CONTROL INFORMATION TABLE
S3504
SEND IMAGE FILE
S3505
SEND FILE TRANSMISSION COMPLETION MESSAGE
S3506
UPDATE TRANSMISSION CONTROL INFORMATION TABLE
S3507
SEND FILE TRANSMISSION COMPLETION MESSAGE
S3508
A
REPEAT FOR NUMBER OF IMAGE FILES IN TRANSFER DATA FILE
REPEAT FOR NUMBER OF CORRESPONDING TRANSMISSION CONTROL INFORMATION DATA
A
RECEIVE TRANSMISSION CONTROL INFORMATION OF CENTER SERVER
S3509
LOAD RECEIVED TRANSMISSION CONTROL INFORMATION
S3510
RECEIVE TRANSFER DATA FILE
S3511
UPDATE RECEPTION CONTROL INFORMATION TABLE
S3512
RECEIVE IMAGE FILE
S3513
RECEIVE FILE TRANSMISSION COMPLETION MESSAGE
S3514
UPDATE RECEPTION CONTROL INFORMATION TABLE
S3515
RECEIVE FILE TRANSMISSION COMPLETION MESSAGE
S3516
LAUNCH CORRESPONDING PROCESSING MEANS
S3517
DISCONNECT CONNECTION TO CENTER SERVER
S3518
DELETE TRANSMISSION DATA
S3519
END
REPEAT FOR NUMBER OF CORRESPONDING TRANSMISSION CONTROL INFORMATION DATA
REPEAT FOR NUMBER OF IMAGE FILES IN TRANSFER DATA FILE

FIG. 36

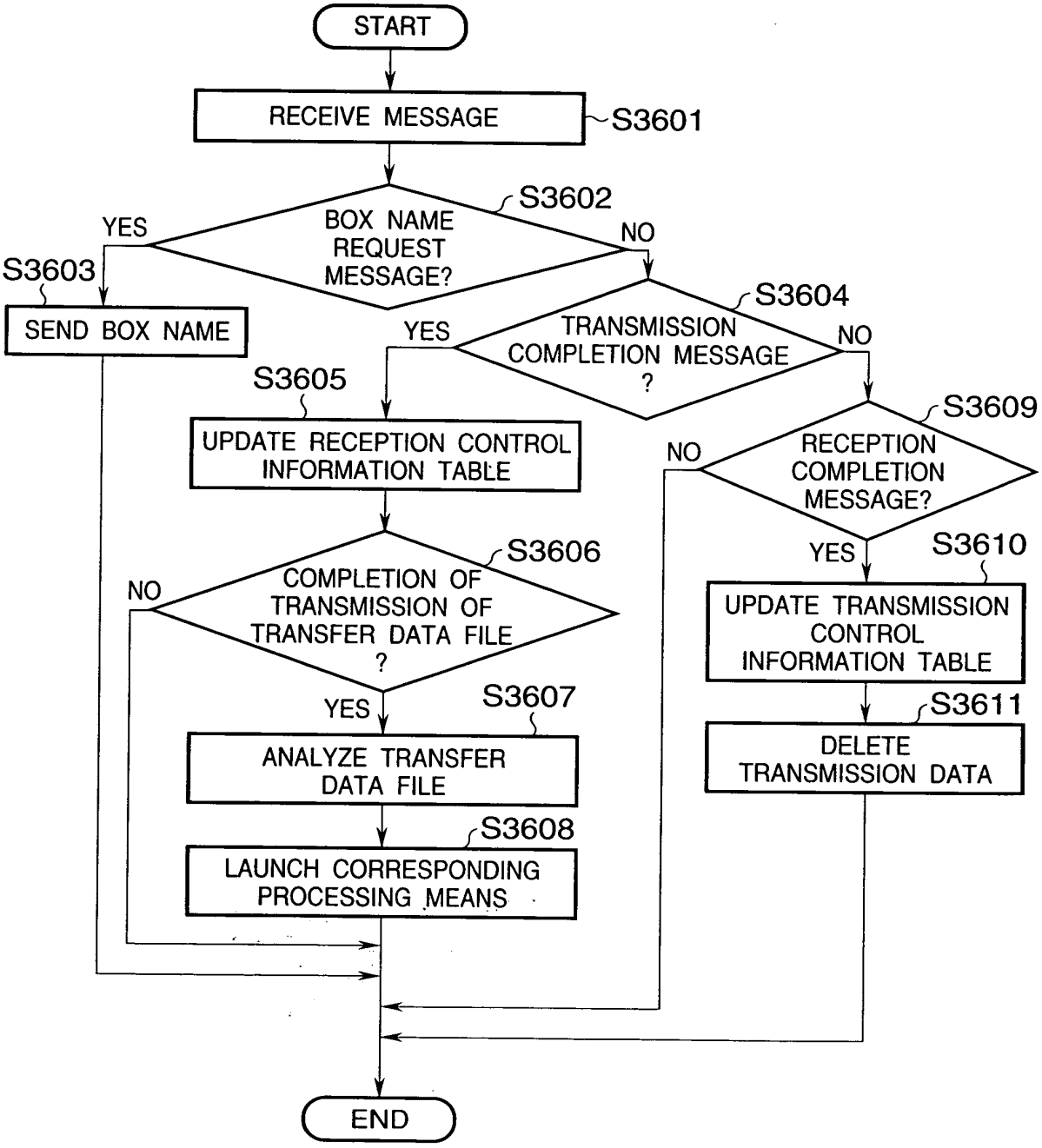

START
RECEIVE MESSAGE
S3601
BOX NAME REQUEST MESSAGE?
S3602
YES
NO
S3603
SEND BOX NAME
TRANSMISSION COMPLETION MESSAGE ?
S3604
YES
NO
S3605
UPDATE RECEPTION CONTROL INFORMATION TABLE
RECEPTION COMPLETION MESSAGE?
S3609
NO
YES
S3610
UPDATE TRANSMISSION CONTROL INFORMATION TABLE
COMPLETION OF TRANSMISSION OF TRANSFER DATA FILE ?
S3606
NO
YES
S3607
ANALYZE TRANSFER DATA FILE
S3608
LAUNCH CORRESPONDING PROCESSING MEANS
S3611
DELETE TRANSMISSION DATA
END

FIG. 37

3701 IMAGE ID	3702 USE PURPOSE	3703 EMBEDDING TIMING	3704 EMBED WATERMARK TYPE	3705 EMBEDDED DATA	
GANON/IS03/1998ABC002	ORIGINAL IMAGE	REGISTRATION	INVISIBLE	"COPYRIGHT 1998 abcd"	3711
GANON/IS03/1998ABC002	DISPLAY/EDIT	TRANSMISSION	UNREMOVABLE VISIBLE	"SAMPLE"	3712
GANON/IS03/1998ABC002	PRINT	TRANSMISSION	REMOVABLE VISIBLE	"#ORDER ID"	3713
GANON/IS03/1998ABC004	ORIGINAL IMAGE	REGISTRATION	INVISIBLE	"COPYRIGHT 1998 abcd"	3714
GANON/IS03/1998ABC004	DISPLAY/EDIT	REGISTRATION	INVISIBLE	"COPYRIGHT 1998 abcd"	3715
GANON/IS03/1998ABC004	DISPLAY/EDIT	TRANSMISSION	UNREMOVABLE VISIBLE	"SAMPLE"	3716
GANON/IS03/1998ABC004	PRINT	TRANSMISSION	REMOVABLE VISIBLE	"ALL RIGHTS RESERVED"	3717

FIG. 38

3801 PRINTER	3802 OUTPUT TYPE	3803 DPI	3804 CORRECTION COEFFICIENT	
PRT1	GLOSSY PAPER	1200	1.0	3811
PRT1	FILM	1200	0.8	3812
PRT2	⋮	⋮	⋮	3813

FIG. 39

3910

3901 IMAGE ID	3902 PRINTER	3903 SIZE (mm)	3904 USE FEE (YEN)	
GANON/IS03/1998ABC002	PRT1	420＊297	2000	~3911
GANON/IS03/1998ABC002	PRT1	297＊210	1500	~3912
GANON/IS03/1998ABC002	PRT1	210＊149	1000	~3913
GANON/IS03/1998ABC002	PRT1	149＊105	500	~3914
GANON/IS03/1998ABC002	PRT1	—	250	~3915
GANON/IS03/1998ABC002	PRT2	420＊297	1800	~3916
⋮	⋮	⋮	⋮	
GANON/IS03/1998ABC002	PRT2	—	220	~3917
GANON/IS03/1998ABC003	—	—	2500	~3918
⋮	⋮	⋮	⋮	

3920

3905 CORRECTION PRINTER	3906 CORRECTION OUTPUT PAPER TYPE	3907 CORRECTION COEFFICIENT	
PRT1	GLOSSY PAPER	1.1	~3921
PRT1	FILM	1.5	~3922
PRT2	⋮	⋮	~3923

FIG. 40

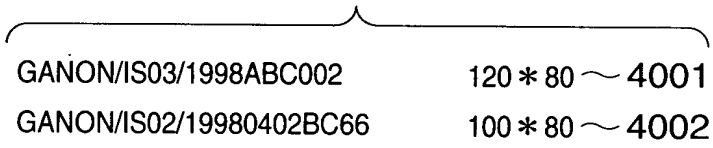

GANON/IS03/1998ABC002
120 * 80
4001
GANON/IS02/19980402BC66
100 * 80
4002

FIG. 41

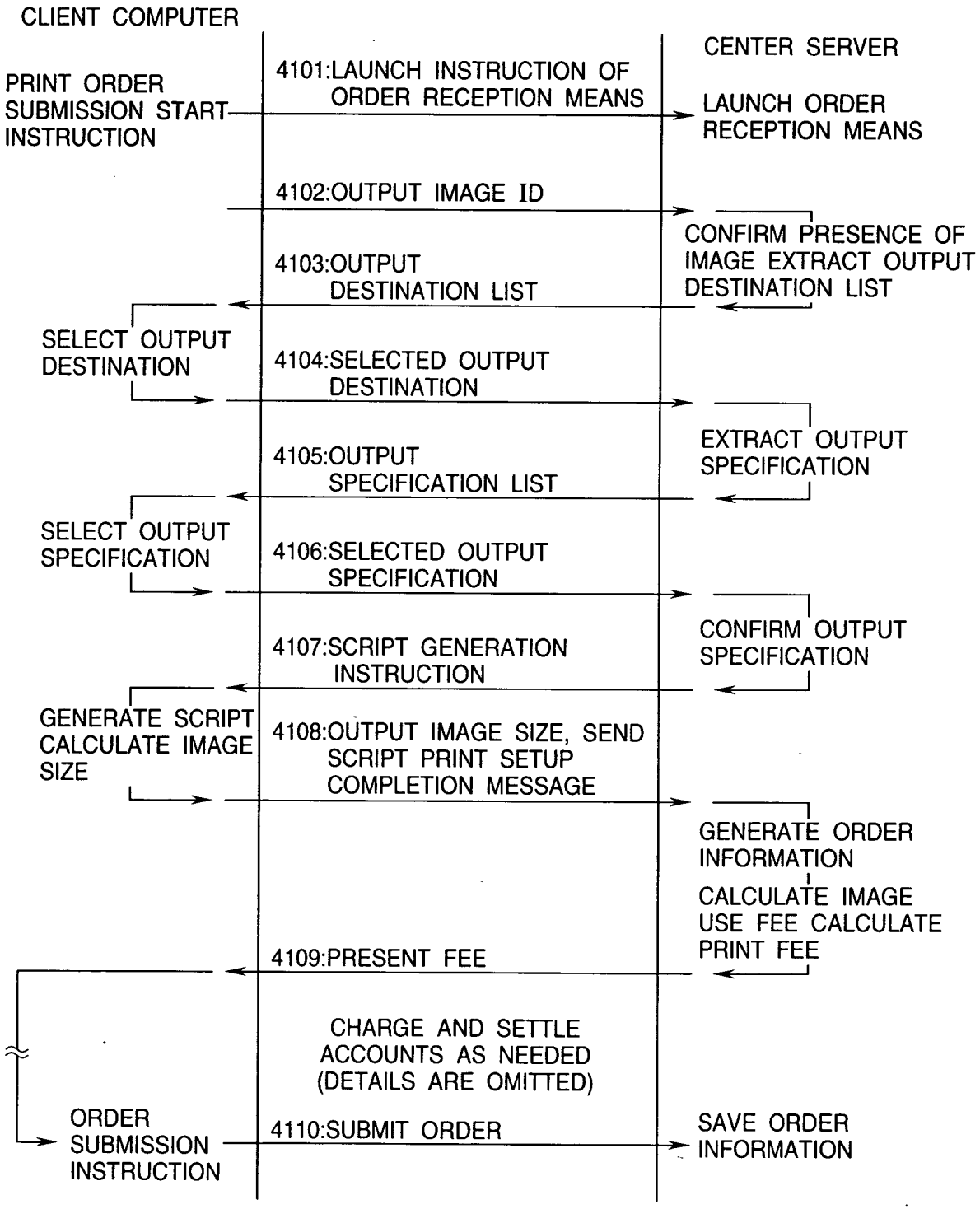

CLIENT COMPUTER
CENTER SERVER
PRINT ORDER SUBMISSION START INSTRUCTION
4101:LAUNCH INSTRUCTION OF ORDER RECEPTION MEANS
LAUNCH ORDER RECEPTION MEANS
4102:OUTPUT IMAGE ID
CONFIRM PRESENCE OF IMAGE EXTRACT OUTPUT DESTINATION LIST
4103:OUTPUT DESTINATION LIST
SELECT OUTPUT DESTINATION
4104:SELECTED OUTPUT DESTINATION
EXTRACT OUTPUT SPECIFICATION
4105:OUTPUT SPECIFICATION LIST
SELECT OUTPUT SPECIFICATION
4106:SELECTED OUTPUT SPECIFICATION
CONFIRM OUTPUT SPECIFICATION
4107:SCRIPT GENERATION INSTRUCTION
GENERATE SCRIPT CALCULATE IMAGE SIZE
4108:OUTPUT IMAGE SIZE, SEND SCRIPT PRINT SETUP COMPLETION MESSAGE
GENERATE ORDER INFORMATION
CALCULATE IMAGE USE FEE CALCULATE PRINT FEE
4109:PRESENT FEE
CHARGE AND SETTLE ACCOUNTS AS NEEDED (DETAILS ARE OMITTED)
ORDER SUBMISSION INSTRUCTION
4110:SUBMIT ORDER
SAVE ORDER INFORMATION

FIG. 42

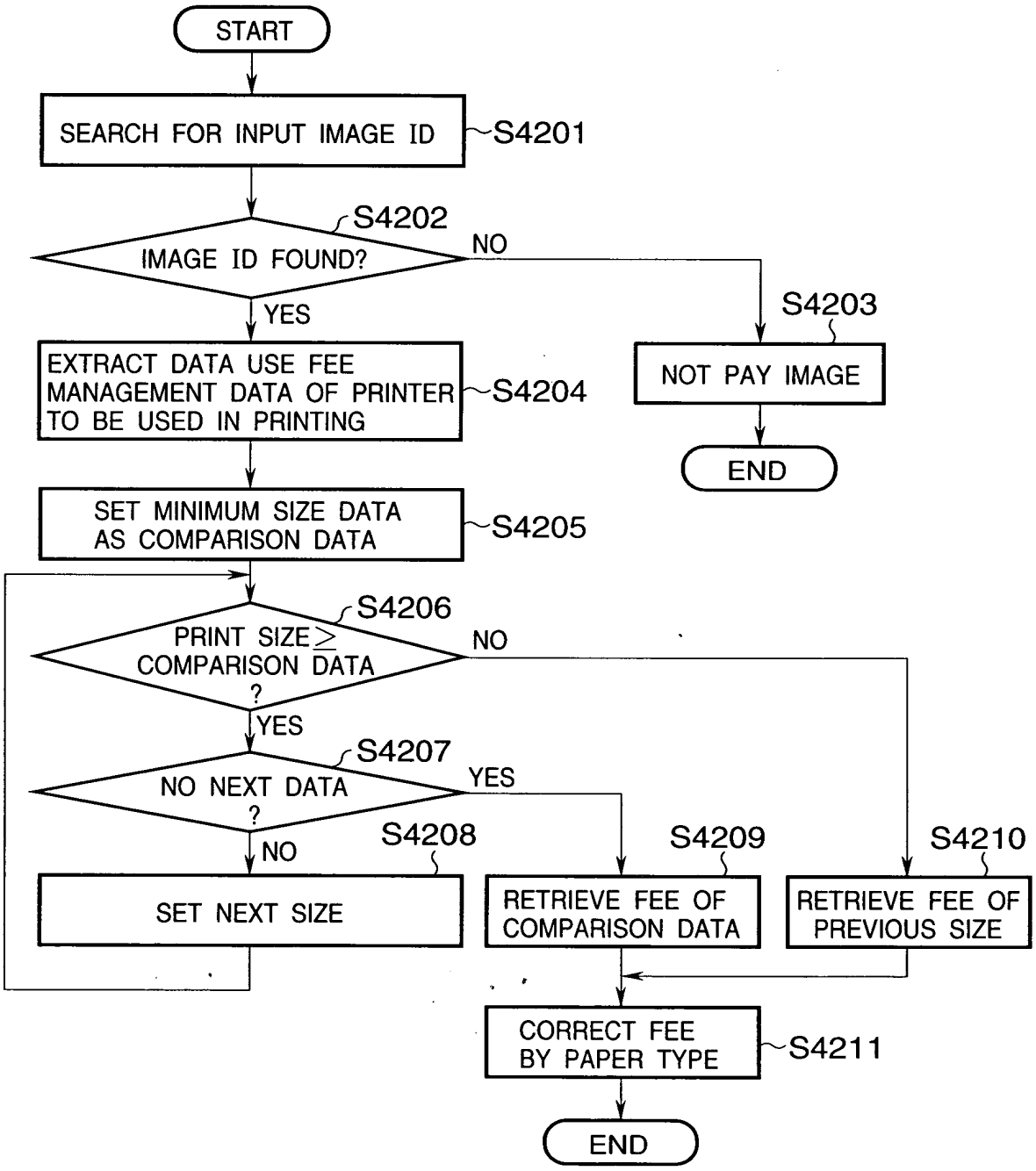
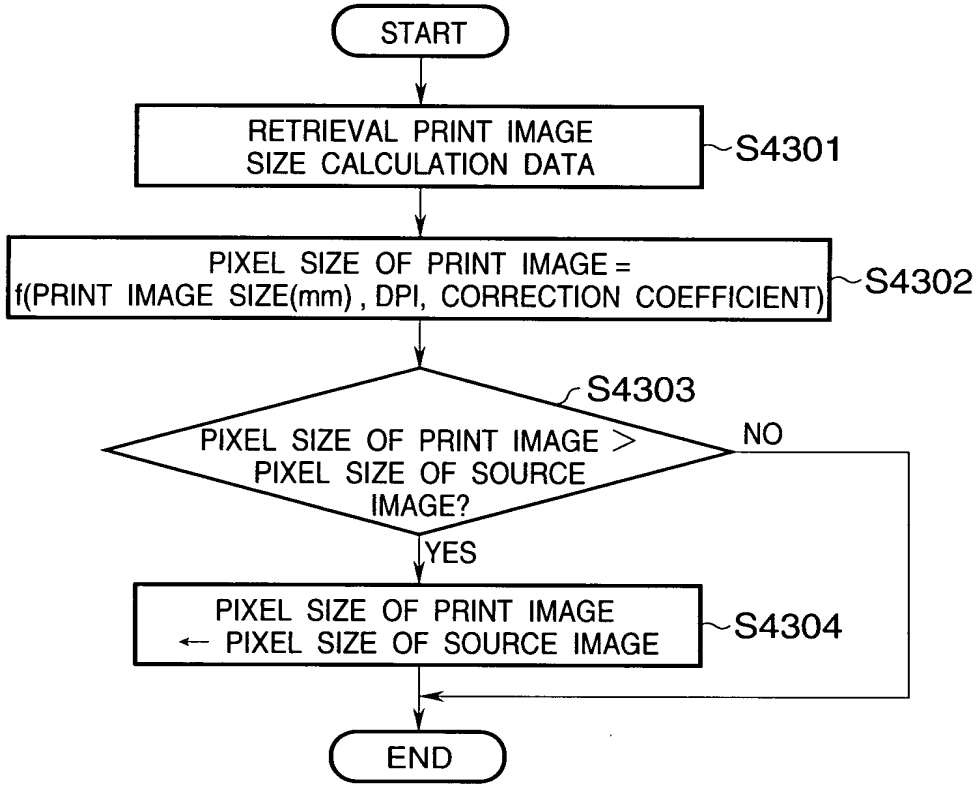

START
SEARCH FOR INPUT IMAGE ID
S4201
S4202
IMAGE ID FOUND?
NO
YES
S4203
NOT PAY IMAGE
END
EXTRACT DATA USE FEE MANAGEMENT DATA OF PRINTER TO BE USED IN PRINTING
S4204
SET MINIMUM SIZE DATA AS COMPARISON DATA
S4205
S4206
PRINT SIZE ≥ COMPARISON DATA ?
NO
YES
S4207
NO NEXT DATA ?
YES
NO
S4208
S4209
S4210
SET NEXT SIZE
RETRIEVE FEE OF COMPARISON DATA
RETRIEVE FEE OF PREVIOUS SIZE
CORRECT FEE BY PAPER TYPE
S4211
END

FIG. 43


START
RETRIEVAL PRINT IMAGE SIZE CALCULATION DATA
S4301
PIXEL SIZE OF PRINT IMAGE = f(PRINT IMAGE SIZE(mm) , DPI, CORRECTION COEFFICIENT)
S4302
S4303
PIXEL SIZE OF PRINT IMAGE > PIXEL SIZE OF SOURCE IMAGE?
NO
YES
PIXEL SIZE OF PRINT IMAGE ← PIXEL SIZE OF SOURCE IMAGE
S4304
END